

OFFICIAL BULLETIN  
INTERNATIONAL FANCY GUPPY ASSOCIATION  
JANUARY-FEBRUARY, 1977

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Prize Winning Guppies....Cont'd from page 7

12. Females can be bred at about two months if they have been properly raised and fed. This makes the most of their potential for the production of young, as they will begin to decline in fertility after the age of eight or ten months.
13. It is best to breed the selected young guppies in small communities rather than in individual pairs or in larger communities. Two males and five females in a 10 gallon tank will form a useful breeding nucleus.
14. After knowing many guppy fanciers and studying their equipment, I tried to work out as efficient a guppy room as I could, and this is the equipment I decided upon:

Tanks: Mostly tens. Bare-bottomed, plantless tanks are easier to care for.

Water: Aged tap water with a tablespoon of non-iodized salt for each five gallons of aquarium water.

Filters: Inside filters are inexpensive, easily cleaned and do the job efficiently. I change filters every 7 to 10 days.

Syphon Hose: Periodic water changes....at least 20% per week. I syphon 10% a day.

Spawning grass: Unless a mature guppy is so stuffed with food that it can't hold any more, it will eat young guppies. For this reason it has become custom to use breeding traps in which the female is confined so that the young may escape before being eaten. This is by no means a good idea. First, the mother should not be confined in so small a space. Secondly, it is very difficult to control the food, most of which falls through the trap. For this reason, I use spawning grass. It holds back the mothers but not the babies.

Marbles: I use marbles instead of charcoal. Charcoal is expensive, time consuming to clean, and messy. When you syphon as often as I do, you eliminate the need charcoal. The marbles are used to weight down the filter.

by Lou Wasserman  
reprinted from IFGA 5/73

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BY THE WAY.....

To determine the capacity of an aquarium in gallons:

Square or rectangular: Multiply the length in inches by the breadth and then multiply this by the height. Divide the total by 231.

Round: Multiply the diameter by itself, then by the height, and this figure by .0034. For instance, if the diameter is 12 inches:  $12 \times 12 = 144$ ;  $144 \times \text{height} \times .0034 = \text{capacity}$ .

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## FROM THE PRESIDENT

Dear Members:

We now enter the new year and look forward to April and the continuation of our show year. Preparations for showing your fish in April should be in progress. I'm sure most breeders are culling out the mediocre fish in order to end up with the very best for the show bench.

During the coming months your clubs, during your regular meetings, should consider:

...Ways to help your members enter the many fancy guppy shows.

...Demonstrating proper bagging and mailing procedures.

...How to mail your fish together as a club to hold down expenses.

Showing your fish is the principal purpose of what the IFGA is all about. Compete and improve.

Clubs should also discuss at their meetings such matters of how to improve our:

...Constitution and by-laws.

...Official rules and judging standards.

...Method of pointing fish.

...Award pointing system.

Also how to help other clubs in:

...Providing alternate delegates.

...Holding meetings together.

...Helping new clubs just joining IFGA to get started.

...Helping young people interested in the hobby.

All clubs should submit their Club Roster and dues with the IFGA Renewal application to Midge Hall. (Also trophy sponsorship)

I look forward to a good show year. For each of you personally it was a very Merry Christmas and the coming year will be wonderful.

Respectfully,  
JOHN L. COIT

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BY THE WAY.....

Try using perlite, the planting filler found in garden shops, as a cheap filter medium. It is very light weight so you'll need to weight the filter down. Save the used, dirty perlite for use on your plants. This makes an ideal way to fertilize your houseplants and give them protection from drying out at the same time.

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## EDITORIAL

Well the new year is here along with the coldest weather in our nations history. As of this writing the temperature in Toledo is -10°F. From what the news has to say, temperatures are well below average all over the country. Aren't you glad IFGA doesn't have shows in January?!!!

\*\*\*\*\*

With the start of the new year in printing The Official IFGA Bulletin will come a few new items. Here at MVGA we receive mail from all over the U.S. from people who are starting out in the guppy hobby, some who have been around awhile, and then some of the "experts".

We thought it might be of value to all these folks if we ran a beginners column, an intermediates column, and an article which is more technical for the old timers.

When you submit an article for publication, if you feel it falls into one of these categories, label it on the top. If you don't specify, we'll just use our own judgement.

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We are enclosing a questionnaire along with the Bulletins going to the people who won 1st thru 4th places in the annual awards for the 1976 show season. From these we will compose an article or two a month so that possibly we can all share in the expertise which made them National Champions. I hope we'll get good response from these folks. It should make for a very beneficial series for all.

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Included in this issue are the revised pages to replace the ones in your Judging Rules and Standards Booklet. This will bring your booklets up to date as of the Annual Meeting of Nov. 6, 1976. Changes are only made at the Annual Meetings.

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Let's have some articles for the Bulletin. Reprints are fine but originals are even better!!!

Sharon Woodruff  
MVGA

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### ATTENTION CLUBS!!!

### ATTENTION CLUBS!!!

Don't forget to get the rules for your shows in to Millie Craft at least 90 days prior to your show. She needs three copies: 1 for her records, 1 for your records, and one to be forwarded to the editors for publication in the Bulletin. Also remember to send your roster, membership dues and trophy sponsorships to the appropriate people promptly.

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## LIGHT -- A TURN ON

Is it possible with light alone to increase guppy brood sizes, increase fertility, reduce disease, increase caudal size by stimulating blood flow to the extremities?

All of these are being accomplished with other animals by merely adjusting the proportion of wave lengths, intensity and duration! Will they work the same way on our guppies?

Light is the one major part of the environment of our fish which has been given little attention. We have experimented at great length with foods, water changes, oxygen levels etc but have largely ignored light. It turns out this is probably a great mistake. But we aren't alone in our ignorance of light importance as until recently scientists in most fields have paid little attention to light. But now such amazing discoveries regarding light are being made that studies of the biological effects of light are mushrooming and assuming major importance in many biological and medical fields, and a new scientific organization.....the American Society of Photobiology.. has been founded to encourage these studies.

Light, in terms of wave lengths, intensity and duration, is turning out to be probably the most important single factor in the environment according to one of the major researchers.

Flourescent light, when used exclusively, has been shown to greatly reduce the frequency that dogs go into heat. Four groups of female dogs were confined to rooms with four different kinds of lighting...clear mercury vapor, ordinary incandescent, white flourescent and warm white flourescent. The animals, now nearly two years old, ~~received no natural light~~ received no natural light since they were 12 weeks old. All other factors such as food, social interaction and exercise were the same. All dogs were of the same breed.

Results of the research showed that while all the dogs remained healthy, there was a marked difference in the breeding cycles of the four groups. In the florescent rooms, only one dog came into heat more than once during the 20 months, while in the other two rooms some of the animals cycled three times. While this test was too small to be conclusive proof, similar observations have been made elsewhere and further testing is going on.

The scientists have no explanation for the phenomena except that it is seemingly related to the differences in the spectral qualities of the fluorescent bulbs which have their main power in green and yellow and are weak in red light. Incandescent bulbs are very heavy in red. Mercury vapor is primarily green. Except for the mercury vapor lamps, all of the light types used in this experiment are used in one or another fish rooms. How do these differences in light actually affect our fish?

Other research points to ultraviolet light as the trigger to the changes in the reproductive cycle of lemurs. Ultraviolet light is known to be a trigger for a variety of be-

haviors in nature, and ##### now the study is being intensified. Black light radiation, one source of near UV, damages the lens and retina of the eyes of mice and produces inflammation of the eyes, ears and tails.

For years various aquarists have reported breeding problems among fishes kept under Grow-Lux lights. Research is now verifying the fact that certain wavelengths penetrate and cause damage to genetic material, DNA.

Light controls seasonal reproductive cycles in birds..... but it is the light passing through the skull, not light passing through the eyes, that controls this sexual response. They assume that light somehow affects the part of the brain called the hypothalamus which regulates sex hormone releases.

After several years of experimentation with light-dark cycles of different lengths, it appears that long periods of light... 14 hours or so.... make animals less reproductive, while shorter periods turn the process on. Applying this knowledge, one researcher was able to trigger the rare ringtailed lemurs to produce three times as many offspring during a breeding season. Would shorter periods of light help some of our 'problem' guppies to better reproduction?

Light is also being shown to have a great influence on health and the curing of disease. Studies have shown an increase in blood flow to the extremities as a result of exposure to light. Others claim that sunlight lowers blood pressure and cholesterol levels, increases blood hemoglobin, improves asthma and cardiovascular capacity, etc.

Light is playing an increasingly fantastic part in the treatment of disease. Specially treated cancer cells are being killed with a light bulb. Florescent light is being used in nearly all U.S. hospitals to treat infant jaundice.

In the process of trying to discover why light, penetrating the skin and blood vessels, causes bilirubin levels (the cause of infant jaundice) to subside, a light sensitive chemical called porphyrin was added. When light shines on the chemical it produces a very active form of oxygen which attacks tissues. In rats treated with porphyrin was added that the bilirubin broke down several times faster when exposed to light than when porphyrin was not present.

Would porphyrin and light also destroy cancer cells? Porphyrin was added to brain tumor cells grown in a laboratory dish and placed under florescent lights for 2 1/2 hours. All of the cells were dead at the end of the treatment! The experiment was repeated with live rats....and there was massive destruction of tumors within three to five days after treatment! Needless to say, research is being greatly intensified in this area.

What exactly can we accomplish by manipulating the light environment of our fish? Perhaps we can accomplish a lot. At least it's worth paying a lot more attention to.

by...Midge Hill  
reprinted from..IFGA, 11/73

GUPPY ASSOCIATES OF LAFAYETTE  
IFGA 7POINT SHOW  
APRIL 2&3, 1977

LOCATION: Campus Inn (Family Inn), 1920 Northwestern Avenue,  
West Lafayette, Indiana. Phone: 317-463-9511.

SCHEDULE: Saturday, April 2	Sunday, April 3
9:00AM Benching Open	9:00AM To 4:00PM Open to public
5:00PM Benching Closed	3:00PM Awards
5:30PM Judging Begins	3:30PM Auction Begins
	3:30PM Debenching

GENERAL RULES:

1. All entries must be registered by 5:00 PM Saturday, April 2.
2. The exhibitor must determine the class of competition in which his entry is to be placed. However, assistance in classification will be available at time of registration.
3. All entries must be born and raised in exhibitors tank.
4. Judging will be by qualified judges by IFGA standards.
5. No entries will be removed from show before 3:30 PM Sunday.
6. Every precaution will be taken against loss of fish, but neither G.A.L. or hotel management can assume responsibility for losses.
7. Lighting will be overhead fluorescent.
8. No entry fees will be refunded after fish are benched.
9. No gravel, decorations or foods are to be in with entries.

ENTRIES: All entry fees must be prepaid.

SINGLE ENTRIES: Both male and female single entries are to be exhibited in 1/2 gallon drum bowls. One female may be included with the male entries, but only the male will be judged. Entry Fee: \$1.00.

TANK ENTRIES: Two matched males. One female optional but not judged. To be exhibited in 1 gal. tanks. Entry Fee: \$2.00.

BREEDER FEMALES: 3 Matched females exhibited in 2 gal. tank. Entry Fee: \$3.00

BREEDER MALES: 5 Matched males to be exhibited in 2 gal. tank. 2 females may be added. Entry Fee: \$3.00.

NOVICE CLASS: Open only to those who have never won a first place in an IFGA competition. Entry fee: \$1.00.

AWARDS: Singles	1st place, trophy; 2nd, 3rd, 4th, award cards
Breeders	1st place, trophy; 2nd, 3rd, 4th, rosettes
Best of Show	1st place, trophy; 2nd, 3rd, 4th, rosettes

AUCTION: An auction will be held at 3:30 PM Sunday. Exhibitors wishing to have their entries sold by auction should so specify when registering. 25% of all auction proceeds will go to G.A.L.

RESERVATIONS: A block of rooms has been set aside. Contact Bill Orth: 317-589-8493, before March 15th for accomodations.



## CLASSES:

TANK	DELTA	VEIL	FEMALE
Red	Red	Red	Red
Blue	Blue	Blue	Blue/Green
Green	Green	Green	Black
Purple	Purple	Purple	AOC
Black	Black	Black	H/B Red
AOC	AOC	AOC	H/B AOC
Multi	Multi	Multi	Bronze
H/B Red	H/B Red	H/B Red	Gold
H/B Blue	H/B Blue	H/B Blue	Albino
H/B Pastel	H/B Pastel	H/B Pastel	Novice
H/B AOC	H/B AOC	H/B Pastel	<u>COMBINED</u>
Red Bicolor	Red Bicolor	H/B AOC	Yellow
AOC Bicolor	AOC Bicolor	Red Bicolor	Albino
Blue Bicolor	Green Bicolor	AOC Bicolor	Gold
Green Bicolor	Blue Bicolor	Green Bicolor	Swordtail
Snakeskin Sol.	Snakeskin Sol.	Blue Bicolor	Novice
Snakeskin Var.	Snakeskin Var.	Snakeskin Sol.	<u>BREEDER MALE</u>
Bronze	Bronze	Snakeskin Var.	<u>BREEDER FEMALES</u>
Yellow		Bronze	
Albino			
Gold			
Swordtail			

## SHIPPED IN ENTRIES:Z

1. Air freight is to be shipped into Indianapolis Airport, Indianapolis, Indiana. Try to have shipments arrive on Friday, April 1st. For information call Bill Orth, 317-589-8493. If you ship fish in please try to let us know the flight number and time of arrival. Mark: Air Freight; Call On Arrival: 474-1198. Brad Shaff, 26 Cactus Court, Lafayette, Indiana, 47905.
2. Ship Air Mail Special Delivery to: Bill Orth, 2609 Marian Avenue, Lafayette, Indiana, 47905.
3. All shipping charges must be prepaid along with return fare. No collect shipments will be accepted. All fish shipped without return fare will be auctioned.
4. Be sure all entries are marked as to class and breeder. Please include the names and addresses of all exhibitors who send entries and specify if the fish is to be re-turned or auctioned.

NORTHWESTERN  
CAMPUS  
INN  
WABASH RIVER  
YEAGER  
RD  
APPROX.  
2 MILES

LAFAYETTE

SAGAMORE PARKWAY  
ST. RD 25  
(BEST EXIT)

I-65 CHICAGO

-6-

## HOW TO RAISE PRIZE-WINNING GUPPIES

1. A fancier maintaining but one strain can do wonderfully well with six or eight tanks, preferably two tens, six fifteens.
2. It is preferable to use medium sized tanks, about 10-20 gal in capacity. Too small a tank inhibits the growth of the guppies, but too large a tank not only limits the capacity of the normal aquarist to fit as many tanks as are necessary into the space available, but also wastes breeding capacity.
3. A start must be made with a guaranteed stock of good guppies from a reputable source, preferably a male and two females. Do not hesitate to pay a premium price to ensure that you'll get what you really want.
4. For breeding, a temperature between 72 and 76° is best, and the young themselves do best at about 80° for the first few weeks of life; after that time the temperature may be lowered towards 72°.
5. There is tremendous differences between early live brine shrimp feeding and predominantly dried foods feeding in the guppy. The young guppy responds to live brine shrimp with a much better growth rate and eventual development.
6. The great advantage of using live brine shrimp is that it will last in the aquarium for quite some time. Thus, it can be generously fed only once or twice a day, and a sufficient number will be around for the young guppies to go on eating throughout the day.
7. The chief reason so many fanciers fail to raise guppies to their best is because they do not feed often enough. The period in which their digestive tract fills and empties is short. Any healthy guppy will eat ten times a day.
8. I feed live brine shrimp twice a day and a variety of dry foods five times a day. (Tops, Rut-King, Wavil, Tetra-Min, Results, and Wardleyburger) For those who work all day, I strongly recommend Instant Wardleyburger and live brine shrimp.
9. There is absolutely no question of leaving males and females to breed together in a single batch. Everything will go wrong. The quicker, smaller and more runt-like males will do most of the fertilizing. This will result in a rapid deterioration of the stock of guppies even though the strain had previously been brought to a relatively perfect state.
10. Sexing: Use a strong light. At about three weeks, if a 100 Watt light is held over the babies, a dark spot near the vent can be seen in the females which is lacking in the males.
11. Males: Use the best young males. Out of every tankful some stand out far in advance of the rest. A word of caution.... do not wait until the males are fully matured and in their prime to introduce them to the females. Old, fully developed males are not always fertile or able to complete the sexual act efficiently.

BEGINNERS BEWARE!!!!!! THIS COULD HAPPEN TO YOU!!!!.....

5000% RETURN

"The tropical fish  
Is a nominal fish,"

Did the man at the pet shop declare,

"And the Suppies are best  
In which to invest,

As they're just fifty cents for the pair."

(What cheap little fish...

I have a glass dish  
for them to swim 'round in...) I bought them.

"These gups need warm water

So you really ought to  
buy a heater and 'stat'." So I got them.

"You do have a tank?"

My expression was blank.

"And you need fish food, a pump, and thermometer.

Red snails are essential

and it's most preferential  
to get gravel, green plants and barometer."

So, I bought the whole lot

And felt that I'd got

quite a palace and grounds for my pair.

Though it made me a pauper

To make their home proper,

They would live like real royalty there.

A month or more passed

And at very long last

The pair had a blessed event.

They could fill the Pacific

With their issue prolific,

A tank to each batch I'd present.

Each time I would catch

The small finny batch

And raise them... for such were their fortunes,

Then they made their own matches

And their hatches had batches,

And their progeny reached great proportions.

Though my edification

And fish education

This fact I now thoroughly know:

That a fish economical

Needs a house astronomical...

I have twenty-two tanks in a row!!

by...author unknown

reprinted from: London Aquaria

3/66

DELTA, VEIL, OR ???

It is interesting to note the statistics on the veil classes in our IFGA shows as to the numbers of disqualifications made because the fish are deltas rather than veils. The numbers are too large! These misentered fish have to be either the result of deliberate padding in hopes of collecting additional points or trophies.....or the result of honest errors made by exhibitors who simply cannot tell the difference. (For that matter how many judges are always right in the borderline cases?)

Learning to differentiate between razor thin differences is complicated. With the veil ranging from 45° to 55° and the delta from 55° to 65°, it will take some very critical judging to differentiate between the 50° veil and the 60° delta. It's enough to blow the mind of any conscientious judge...it always is difficult to visualize separate 55°, 60°, and 65° angles.

Since they say practice makes perfect (or at least makes improvement) a neat little practice session follows, based on a session I once had at a college psychology lab which had startlingly effective results. Even though these are longer ago than I care to admit, to this day I can still get almost 100% right out of close measurements we were trained to measure visually during a similarly designed training series....not because I was so great in the class, but because for some reason this type of training seems to stick (which, if I remember correctly, is what the good professor was trying to get across to us at the time.)

After several such practice sessions, with the illustrations in different orders, you should be able to notice a marked improvement in the number you get right. (Presuming the professor's theorizing still holds, that is). Those who find fairly easy sailing in separating the veils and deltas might try your talents at visually determining whether the illustrated caudals are in 1:1, less than 1:1 or more than 1:1 ratio to body length (some of these may prove quite a surprising). We don't promise any lollypops to the winners, but all of us involved in judging or exhibiting guppies should benefit from this self training series...for sure you can't lose anything by trying.

Now...on with the challenge. How many of the fish illustrated on the next page can you properly classify visually (no fair peeking at the answers, no fair using rulers or angles or whatever). How many of the fish are exactly a 1:1 body to caudal ratio? How many are less than 1:1...how many over 1:1? Ready...Set....turn the page.....GO.

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BY THE WAY.....

Do you know that snow and adolescence are the only problems that disappear if you ignore them long enough?

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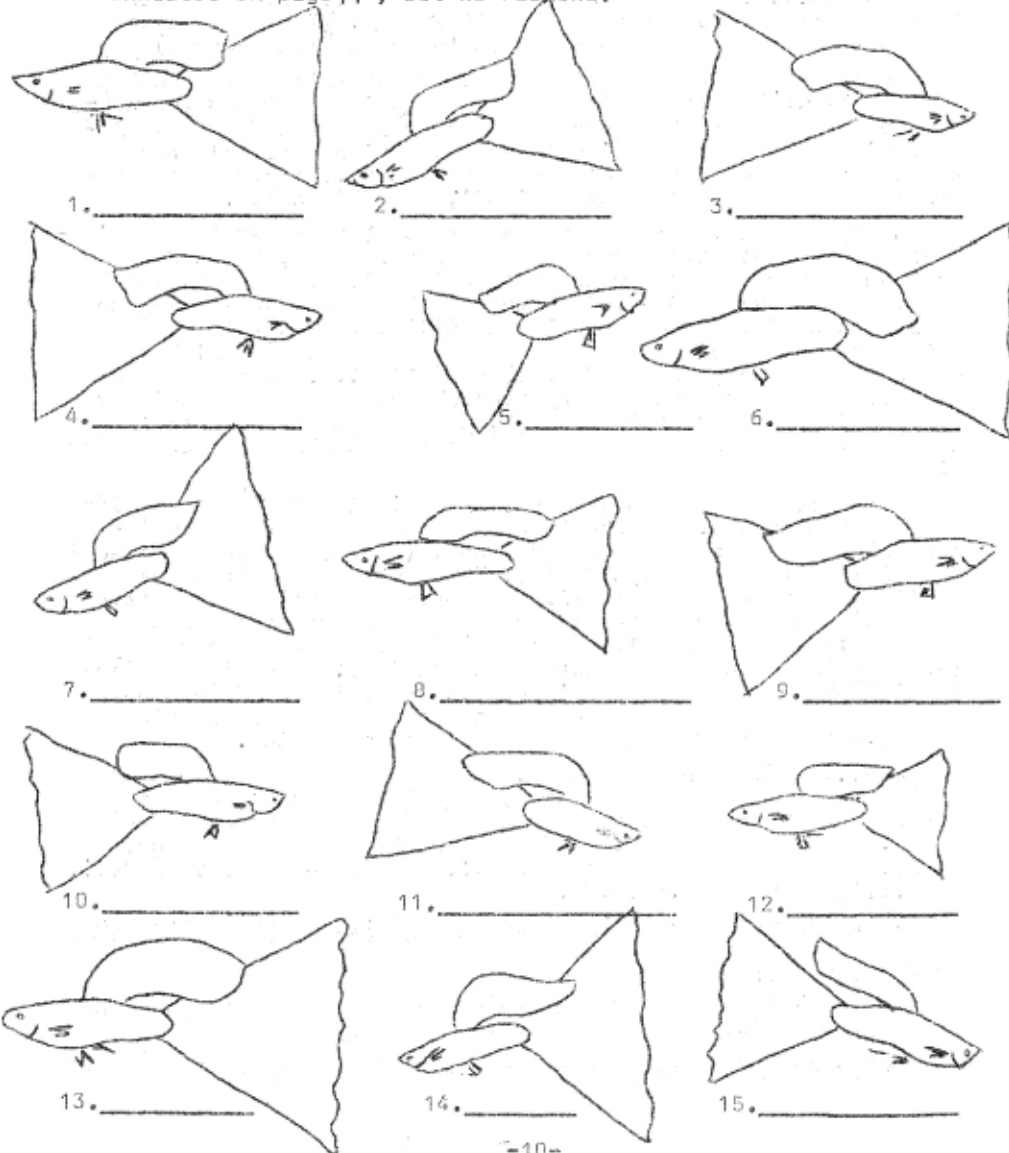
INSTRUCTIONS: Classify fish visually as to delta, veil.

Which fish is the perfect delta?

Which fish have 1:1 body to caudal ratio? Less than 1:1? More than 1:1?

Using Stan Shubel's judging article as a base (1-1 1/4" body= 9 or 10 points) point these fish for body size.

Answers on page 14, but NO PEEKING.



MAUMEE VALLEY GUPPY ASSOCIATES

IFGA SANCTIONED 7 POINT SHOW

1st MEETING

APRIL 16-17, 1977

LOCATION: Holiday Inn Manhattan, Toledo, Ohio 43608

SCHEDULE: Saturday, April 16

11am-5pm= Benching

1pm-6pm= Meeting

7:30pm = Judging

Sunday, April 17

10am-4pm= Public Viewing

1pm= Awards Presentation

2pm= Auction

2:30pm= Debenching

#### GENERAL RULES:

1. All entries must be registered by 5pm, Sat., April 16.
2. Exhibitors to determine the class in which their entries will compete. Assistance in classification will be available at the time of registration.
3. All entries improperly entered will be disqualified and will not be judged.
4. Every precaution will be taken against loss or hazard of any kind, however, neither MVGA nor Holiday Inn can assume responsibility for losses which might occur.
5. Lighting will be overhead fluorescent.
6. Background will be of black material.
7. Bowls and tanks will be furnished. No gravel, plants, or decorative materials will be allowed.
8. No fish will be removed from the show area until 2:30pm Sunday and then only by authorized persons.
9. All entries must have been born and raised in the exhibitors tanks.
10. All entry fees must be prepaid.
11. Judging will begin at 7:30pm Sat. April 16. Entries will be judged in accordance with IFGA standards.
12. Observers to the judging must register prior to 7:30pm and will be limited in number.
13. An auction, open to the public, will be held at 2pm Sun., April 17. MVGA will retain 25% of the sale price of all fish sold. Exhibitors should indicate fish for auction at the time of registration.

#### ENTRIES:

Single Entry: To consist of 1 male or 1 female shown in 1/2 gallon drum bowls. 1 female may be added to the male entry but only the male will be judged.

ENTRY FEE: \$1.00

Tank Entry: To consist of 2 matched males shown in a 1/2 gallon container. 1 female may be added but will not be judged.

ENTRY FEE: \$2.00

Breeder Males: To consist of 5 matched males shown in 2 1/2 gallon containers. 2 females may be added but will not be judged.

ENTRY FEE: \$3.00

Breeder Females: To consist of 3 matched females shown in 2 1/2 gallon containers.

ENTRY FEE: \$3.00

Novice Classes: Open to anyone who has not won a first place in IFGA competition.

# SHIPPED-IN ENTRIES:

1. All shipped-in entries must be received by Thursday, April 14 at 6pm.
2. Be sure all fish are marked clearly as to breeder's name, address, and class to be entered.
3. All shipments must be prepaid. No collect shipments will be accepted.
4. Unless specifically requested otherwise, all shipped-in fish will be auctioned. Should it be desired that the fish be returned, it should be so stated on the entry form and return shipping charges included with the shipment.
5. AIR MAIL SPECIAL DELIVERY: Send to Bob Puckett, 5134 Ancil, Toledo, Ohio, 43615.
6. AIR FREIGHT: Send to Toledo Express Airport. Mark: CALL ON ARRIVAL: Bob Puckett, 535-0872.

## CLASSES:

### DELTA

Red  
Blue  
Green  
Black  
Multi  
AOC  
Purple  
H/B AOC  
H/B Red  
H/B Pastel  
H/B Blue  
Red Bicolor  
Blue Bicolor  
Green Bicolor  
AOC Bicolor

### VEIL

Red  
Blue  
Green  
Black  
Multi  
AOC  
Purple  
H/B AOC  
H/B Red  
H/B Pastel  
H/B Blue  
Red Bicolor  
Blue Bicolor  
Green Bicolor  
AOC Bicolor

### COMBINED

Snakeskin Solid  
Snakeskin Varigated  
Bronze  
Albino  
Gold  
Swordtail  
Yellow  
Novice Male

### FEMALES

H/B Red  
Red  
Blue/Green  
Black  
AOC  
H/B AOC  
Gold  
Albino  
Novice Female

### BREEDER MALES

All colors combined

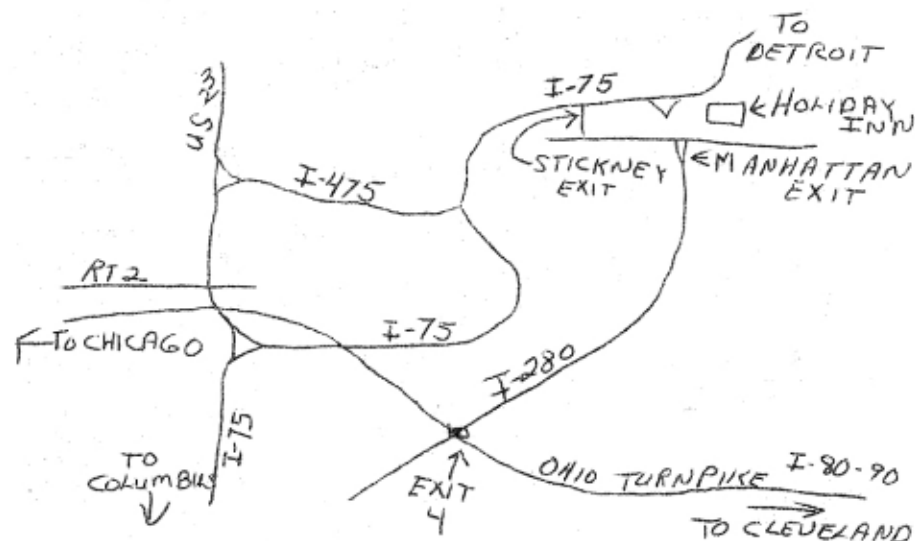
### BREEDER FEMALES

All colors combined

### TANKS

Red Red Bicolor  
Blue Blue Bicolor  
Green Green Bicolor  
Black AOC Bicolor  
Multi Yellow  
AOC Snakeskin Solid  
Purple Snakeskin Varigated  
H/B AOC Gold  
H/B Red Albino  
H/B Pastel Bronze  
H/B Blue Swordtail

## Map For MUGA show - Toledo, OHIO



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### ACCOMMODATIONS:

A Banquet will be held on Saturday evening. We will be served Southern Fried Chicken for \$6.50 or Roast Sirloin of Beef for \$8.00. This price includes the full dinner, dessert, and coffee. A block of rooms has been set aside. For room reservations and banquet tickets please call Jim or Sharon Woodruff at 419-474-2420 by March 25.

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### EDITOR'S NOTE:

Please excuse the typographical errors in this issue!!!!As I mentioned in the editorial, the weather is TERRIBLE here. I just couldn't make it out to the store to get a new bottle of correction fluid and as any poor struggling editor knows, that makes for a critical situation. We are hoping to get the Bulletin out to everyone on time but as of right now, even the post offices in Toledo are closed. Hopefully, no one will be too upset with us....blame it on Mother Nature!

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### BY THE WAY.....

About 95% of what's told you in confidence, you couldn't get anybody to listen to anyway.

Redder's Digest

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# HOW TO STARVE A HUNGRY FILTER OR HOW I SOLVED THE GREAT FILTER PROBLEM

How long has it been since the best of show trophy went to a fat filter? How many brine shrimp are gobbled by the filter before being eaten by a future prize winner? How much money is wasted each year with food being sucked into the filter? What does all that uneaten food in the filter do to my water condition?

Have you asked similar questions as you watch your filters get dirty? If you have, read on and I'll tell you how I solved "The great filter problem".

My first attempt at solving this problem was to unplug my pump when I fed brine shrimp. This worked fine, except (1) I had to remain at home to plug the pump back in and (2) if I were to unplug it each time I fed dry food, I would have to allow much more time to complete my many feedings.

At this time I purchased a new timer for my darkroom (I'm a free-lance photographer) and suddenly I had what I think is the solution. The timer is manufactured by Gra-Lab and can be set up to 60 minutes. The timer plugs into a 110Volt outlet and I plug my pump into the 'safelight' outlet of the timer. With this outlet, when the timer is set at "0" the pump will run. When the timer is set for any amount of time, the pump is turned off. The timer has another outlet on it marked "enlarger". Anything plugged into this outlet will be 'off' when the timer is on "0" and 'on' when the timer is set for any length of time. Into this outlet I have hooked a fluorescent light fixture.

Now, when I feed, I set the timer for some length of time and the pump remains 'off' and the light 'on'. When the timer returns to "0", the light goes 'off' and the pump starts again.

Since I have been using this system, I have gone from twice as long between filter changes and the water condition seems to be much better. I cannot say whether the fish are doing better as I have not run any comparison tests, however, I am able to feed lesser amounts at each feeding and the fish are still growing at the same rate, so I am convinced that it is having a positive effect.

by Bill Gommel  
reprinted from Guppy Talk 1/77

\*\*\*\*\*

## ANSWERS TO DELTA VEIL QUIZ:

(1) V, 1 1/2" body, 55°, ratio 1 1/2:1 1/2 (2) D, 1-1/8", 70°, 1-1/8:1;  
(3) V, 7/8", 53°, 7/8:1 1/2; (4) D, 1-1/8", 60°, 1-1/8:1 1/2; (5) D, 1",  
75°, 1:3/4; (6) V, 1 1/2", 53°, 1 1/2:1 1/2; (7) D, 1", 80°, 1:1; (8) D, 1 1/2",  
60°, 1 1/2:1; (9) D, 1-1/8", 60°, 1-1/8:1-1/8; perfect delta pro-  
portions (10) D, 1-1/8", 63°, 1-1/8:1; (11) V, 7/8", 50°, 7/8:1 1/2;  
(12) D, 1", 65°, 1:3/4; (13) V, 1 1/2", 58°, 1 1/2:1 1/2 (14) D, 1", 85°,  
1:1 1:1; (15) D, 1-1/8", 65°, 1-1/8:1

## LIST OF ACCREDITED IFGA JUDGES

1. Stan Shubel	8715 Hidden Lake Dr.	Howell, MI	48843
3. Pop Morgan	4824 E. New York St.	Indianapolis, IN	46201
6. Midge Hill	9903 Candia Dr.	Whittier, CA	90603
8. Mike Regent	17 Autumn Ct.	Colonia, NJ	07067
10. Dale Marteeny	717 E. Juanita Ave.	Glendora, CA	91740
11. Ethel Shubel	8715 Hidden Lake Dr.	Howell, MI	48843
12. John Parrott	4488 Paula St.	Lakewood, CA	90713
16. Don Craft	103 Lake View Dr. SW Route 2	Pataskala, OH	43062
20. Don Saurers	2610 Elliott Ave	Columbus, OH	43204
22. Mike Khalid	17810 Hatton St.	Reseda, CA	91335
23. Dave Crabtree	680 Scriven	Columbus, OH	43228
28. Joe Krader	2540 Bluebell	Seal Beach, CA	90440
29. John Wolcott	2112 Merritt Dr.	Northfield, NJ	08225
30. Joe Rezutka	5717 S. Newcastle	Chicago, IL	60638
31. Dave Boone	1044 Rencir Ct.	Sunnyvale, CA	94087
32. Sue Hull	911-L Manor Lane	Columbus, OH	43221
33. Andy Hull	911-L Manor Lane	Columbus, OH	43221
35. Earl Hansen	14540 Birch St.	Orland Park, IL	60462
36. Alice Regent	17 Autumn Ct.	Colonia, NJ	07067



# INTERNATIONAL FANCY GUPPY ASSOCIATION



**OFFICIAL  
PUBLICATION**

MAR 1977



# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

## OFFICERS

PRESIDENT:	VICE PRESIDENT	SECRETARY:
John Wolcott	Ted Lobello	Mildred Craft
2112 Merritt Dr.	50 Derby Lane	103 Lake Dr. SW Route 2
Northfield, NJ 08225	Orland Park, IL 60462	Pataskala, OH 43062

TREASURER:	PARLIAMENTARIAN:	OVERSEAS SECRETARY:
Tom Allen	Jim Horan	Mildred Craft
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Lombard, IL 60148	Jacksonville, IL 62650	Pataskala, OH 43062

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CHAIRMAN:	MEMBERS (Addresses on back cover)
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8715 Hidden Lake Dr.	Mike Regent
Howell, MI 48843	Don Craft

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Warren, OH 44484	Whittier, CA 90603	Glendora, CA 91740

NOMINATING	PUBLICITY	AWARDS
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3438 Ashby Rd	50 Derby Lane	304 Circle
St. Ann, MO 63074	Orland Park, IL 60462	Lombard, IL 60148

## PUBLICATIONS

Judging Rules & Standards Booklet: Standard Entry Forms:  
\$2.00 each (Postage Included) \$1.50 per 100 (Postage Included)

IFGA Bulletin Subscriptions:  
\$5 per year (11 issues) by 3rd class mail  
\$8 per year (11 issues) by 1st class mail

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Contact Editor

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Please make check or money order payable to IFGA Editor and send to:

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2345 Oak Grove  
Toledo, Ohio 43613

## MEMBERSHIP

Membership in IFGA is limited to groups of 5 or more people.  
Rates are \$15 per year per club. For more information contact:  
Membership Chairman

## OFFICIAL BULLETIN

### INTERNATIONAL FANCY GUPPY ASSOCIATION

MARCH, 1977

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## EDITORIAL

by Bob Hanna

Hello friends and fellow members. As I sit here writing this editorial, I have just finished reading through some back issues. One sentence keeps bothering me which appears in every issue on the back of the front cover.

...To promote interest in the guppy. Why does this sentence bother me? I'll try to tell you why. Over the last couple of years, I have been approached at shows, called at home, or have had people come to my house, all of them with one ultimate purpose. Looking for true-breeding guppies with which to get started in the guppy hobby.

I've been asked if I had any, and if I didn't think mine were of high enough quality, who would I recommend they buy from. This brings us in most cases to discussion of mail order guppies. I have tried to help as much as possible in this direction.

A couple of cases that bother me in particular because of the results are as follows.....having taken the time and effort to try and help, can you place yourself in the position where somebody calls you and asks if you could please come and look at their guppies....something seems to be wrong! You arrive and go into their fish room. They immediately show you a very fine looking trio of guppies. Then you are asked to look at the young. You do, in size, color, or shape they do not faintly resemble their parents. Are they discouraged after long months of hard, painstaking work, quite a lot of expense, time spent reading all they can find on guppies? Shattered is putting it mildly. Are they likely to continue on in the hobby?

...Or another case where someone waits and waits and waits for those first precious little babies which never come. Is this promoting interest??

Wait, you say, why didn't they contact the people from whom they obtained their guppies? They did. No results. Discouraged again? Quit? What do you think?

It is strictly my personal opinion, and mine only, that if someone sells a product with a guarantee they should back it up. Going back to that sentence again:.....To promote interest in the guppy.

If I were in a mail order business selling guppies with a guarantee I would do my best to satisfy my customers, as happy customers will tell their friends where they got those good guppies, and they themselves would order another pair or trio from me when they wanted a change.

Now let me ask you another question. Which type of breeder would you prefer to buy guppies from? Which one is promoting interest in the guppy and helping our fine hobby grow?

This editorial is NOT directed at any one person or persons or group of persons! On behalf of all future parties which might order guppies, if you sell them and guarantee them, I am

## Editorial...

asking you to please have the moral integrity to help these people if and when they have a problem and write or call you for help or advice. This is how.....To promote interest in the guppy.

Which is a much nicer sentence than "What ever happened to fancy guppies?". Time to get down off the soap box. Looking forward to seeing all your faces at the shows this year. Let's beat all of last years entry figures...especially in Toledo!

\*\*\*\*\*

AGENDA FOR 1ST MEETING  
MAUMEE VALLEY GUPPY ASSOCIATION  
TOLEDO, OHIO  
APRIL 16, 1977 1:00 PM

ROLL CALL.....MILDRED CRAFT  
MINUTES OF NOVEMBER MEETING.....MILDRED CRAFT  
TREASURER'S REPORT.....TOM ALLEN  
COMMITTEE REPORTS  
BUDGING BOARD.....STAN SHUBEL  
MEMBERSHIP.....MIDGE HILL  
PUBLICITY.....TED LOBELLO  
AWARDS.....TOM ALLEN  
PUBLICATIONS.....JIM WOODRUFF  
NOMINATING  
SHOW ROTATION.....DALE MARTEENY  
CONSTITUTION & BY-LAWS.....ANDY HULL  
OLD BUSINESS  
NEW BUSINESS

Regards,  
John Wolcott

\*\*\*\*\*

I'm SORRY.....

As typist, correlater, and printer of this bulletin, I must apologize for the terrible job I did last issue. I made more mistakes than I ever felt possible. I have been informed that the article and test by Midge which I reprinted was much outdated and the angles for the ideal specimens have been changed. Also I completely forgot to include the show dates for the upcoming season. We didn't even manage to get the poor thing to the post office on time! I can't come up with a good excuse for all my goofs.....maybe the cold weather numbed my brain.



HOW TO PREPARE FOR A SHOW  
OR  
1001 THINGS TO DO AT THE LAST MINUTE!

by Bill Werner  
reprinted from  
Guppy Roundtable 4/69

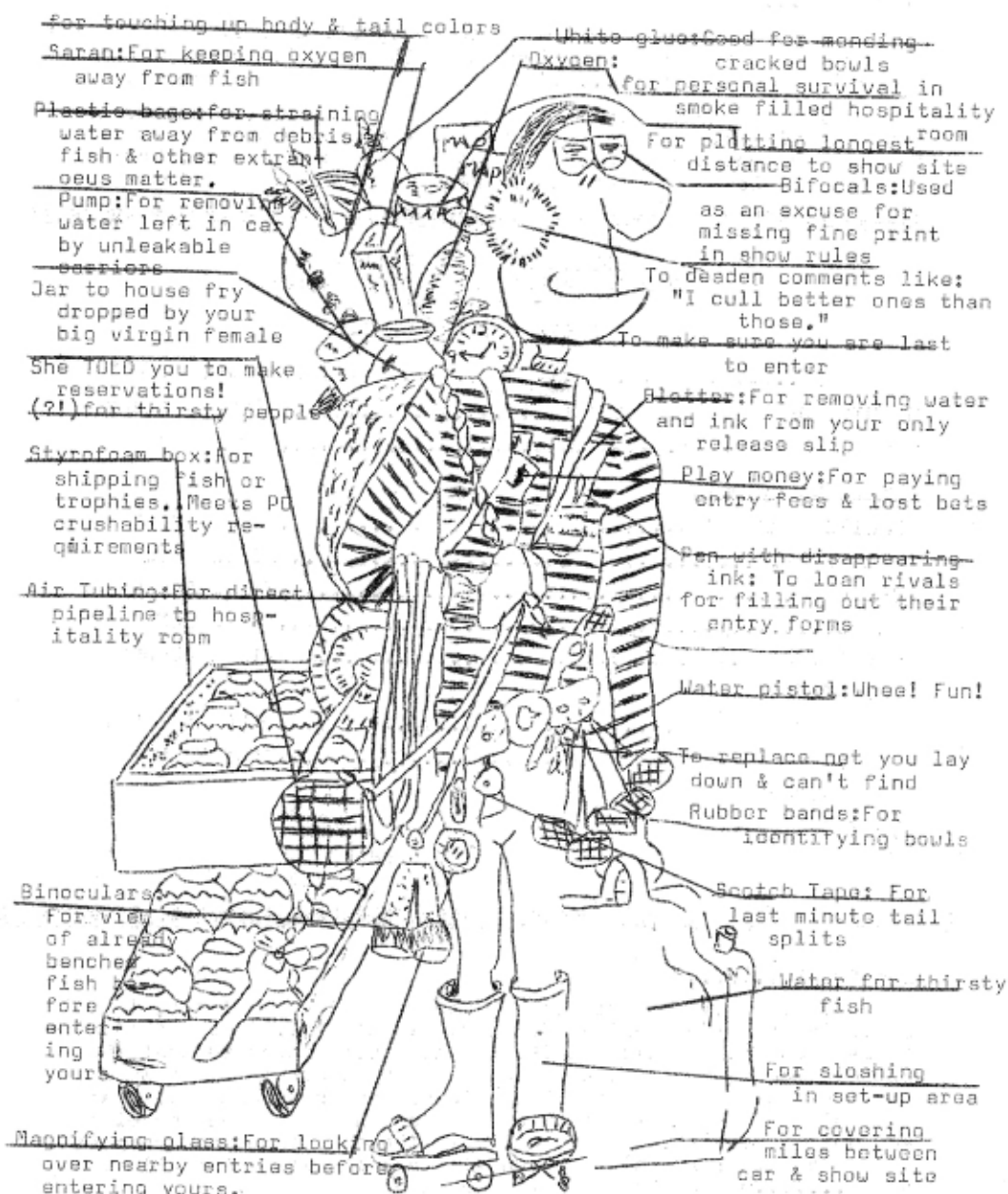
Yes, it's show time again! That exciting, thrilling moment is almost upon us when we match our fish (time, patience, and hard work, too) against those other hobbyists in competition for awards and recognition. And believe me, with over twenty shows behind me, it's always a nervous and exciting time.

Let's talk about the actual getting ready for a show, a guppy show in particular, though any type of fish show poses the same problems. Sure, months of hard work have gone by..... raising your beauties to show size and quality, but now comes the chore of picking out the best fish, getting equipment ready, making plans, and certainly not the least important...getting up your courage.

One could write an article as long as this bulletin about selecting your particular show fish. However, I will just touch lightly on the subject with a few musts. No matter what class you enter fish in, please make sure that your fish are in good condition and healthy. Nothing looks worse than a sick fish, no matter how beautiful he might appear when well. If he has a bad eye, a touch of fungus, hollow or pot-belly, crooked spine or humpy, leave him home. If he's bad enough he could be disqualified or have many points taken off his score. It's not worth the waste of money and time or embarrassment on your part. The same can hold true for a fish that is healthy but has a ragged or split tail or dorsal. If he's like that before you leave home, don't bring him. He's just not show quality. Your show fish should be as perfect looking as you can possibly bring. And make sure he's a show-off...nothing's more heart breaking than a beautiful fish just lying at the bottom.

There are usually many color classes at a show, along with various tail shape categories. You must have a fish for at least one.....that's why there are so many sections....to be fair to all who wish to enter. Always study the show rules thoroughly to make sure you don't misclassify a fish. Remember, solid color class fish should, if possible, be devoid of any other color in the caudal. If you have a good unusually colored or patterned fish which is difficult to classify, bring him along. If you are not sure what class he belongs in, there is someone who can help you.

Now, get your equipment and supplies ready. For those of you who thought that for guppies all you need is a net and a bag of fish, you are mistaken. First of all, where is the show? A long ways away? Well, how about the water conditions at the show site? Same as yours? You know water can be a stimulant or a fatal agent to your show guppies. Even a few miles away, the degrees of hardness and the pH can be so different from the water



Show Season Opens..Are You Prepared??

# Preparing for a Show...

your fish are used to. You might think bringing your own water is a nuisance, but many hobbyists do it. I've hauled as much as thirty gallons to far away shows. Some fish react very strangely to new water. I do not bring their own tank water, but new water from my tap that has been aged or has had de-chlorinator added. This prevents shock, but new water will usually invigorate them a little more. One thing, depending on where the show is, I use 1/3 of their water to 2/3 of my own. The small portion mixed with my own water can add enough new stimulant to really make the fish happy, like 'spring rains'.

There are other things to bring too, which aren't as vital (as you can usually 'bum' them from somebody who didn't forget) but necessary. They can include buckets, nets, thermometers, towels, and by all means....don't forget the fish on the way out the door. (Forgotten fish are NON-BUMABLE!)

If the show allows it, bring females to put in with your show males. Bring nice ones....healthy, large or small, as they aren't judged, to provide company and stimulation for your males. A show fish must prance and act the part, and so far there's no better way found than his partner.

A couple of last words....please have consideration for your show manager and get your entries in as early as possible. This is a real help, believe it or not.

Have courage if it is your first show, and enter your fish. You'll never know how good they are until they are matched against everyone else's. I'm summoning up my courage right now.... and I've made the grade quite a few times.

\*\*\*\*\*

## IFGA SANCTIONED POINT SHOWS FOR 1977

Guppy Associates of Lafayette.....April 2-3  
Maumee Valley Guppy Association.....April 16-17 Meeting  
New England Guppy Associates.....April 30-May 1  
Guppy Associates of Greater Cleveland.....May 14-15  
East Coast Guppy Club.....June 11-12 Seminar  
Gateway Guppy Club.....June 25-26  
Puerto Rico Fancy Guppy Association.....July 9-10  
Sacramento Guppy Breeders Association.....July 30-31  
Northeastern Indiana Guppy Association.....Aug 13-14 Meeting  
Madison Aquarium Club.....Sept 10-11  
Bay Area Guppy Club.....Oct 8-9  
Guppy Associates of Chicago International.....Nov 4-5-6 Annual Meeting

## New England Guppy Association 7 Point Show April 30-May 1, 1977

LOCATION: Carlton House, Quincy, Mass.

SCHEDULE: Saturday, April 30	Sunday, May 1
10:00 AM Entries Open	8:30 AM Judging Begins
5:00 PM Entries Close	2:00 PM Awards
	2:30 PM Auction & Debenching

### GENERAL RULES:

1. Entries must be registered by 5:00 PM April 30, 1977.
2. Judging will be by IFGA Judges using IFGA standards.
3. Exhibitors will determine classes of entries. Assistance in classification will be available at time of registration.
4. No gravel or decoration may be used and water should not be tinted.
5. All precaution will be taken against loss of fish. NEGA cannot assume liabilities of such loss.
6. Lighting will be hand-held incandescent.
7. Entry fees must accompany all entries.
8. Entries may not be removed until after the awards program.
9. Entries will be benched and debenced by show committee members only.
10. Stands will be draped with black cloth.

SINGLE ENTRIES: Male and female single entries are to be exhibited in 1/2 gallon drum bowls (supplied by NEGA). A female may be added to male entry but will not be judged. FEE- \$1.00.

TANK ENTRIES: Two matched males are to be exhibited in 1/2 gallon drum bowls (supplied by NEGA). A single female may be added but will not be judged. FEE-\$2.00

BREEDER MALES: Five matched males to be exhibited in 2 1/2 gallon tanks (supplied by NEGA). FEE-\$3.00

BREEDER FEMALES: Three matched females to be exhibited in 2 1/2 gallon tanks (supplied by NEGA). FEE-\$3.00

NOVICE CLASS: Open to anyone who has never won First Place in an IFGA Show.

AWARDS: Single, tanks and breeders- Plaques for first; Award cards for second, third, and fourth.  
Best of Show- Plaques for first thru fourth places.

AUCTION: There will be an auction at 2:30 PM on Sunday. Exhibitors must designate fish to be auctioned. NEGA will retain 25% of the auction proceeds.

### SHIPPED IN ENTRIES:

1. All shipped in entries must be received by 12:00 PM Friday, April 29, 1977.
2. Air mail shipments should be addressed to: Joe Claus, 193 Harvard Street, Pembroke, MA, 02359. Telephone: 617-293-7102.
3. Air Freight to: Dick Bergeron, 6 Wilmington Ave, Dorchester, MA, 02124. Mark packages: CALL ON ARRIVAL 617-265-3864.



# NEGA Rules.....

- Shipping charges must be prepaid and return fare must be included. Fish shipped with no return fare will be auctioned.
- All entries must be marked as to class and exhibitor. Group shipments should include names and addresses of each exhibitor.

## CLASSES:

TANK	DELTA	VEIL	FEMALES
Red	Red	Red	H/B
Blue	Blue	Blue	Red
Green	Green	Green	AOC
Black	Black	Black	Blue/Green
Multi	Multi	Multi	Gold
AOC	AOC	AOC	Black
H/B Red	H/B Red	H/B Red	Albino
Gold	Gold	Gold	
Snakeskin Solid	Snakeskin Solid	Snakeskin Solid	<u>COMBINED</u>
Snakeskin Var.	Snakeskin Var.	Snakeskin Var.	Blue Bicolor
H/B AOC	H/B AOC	H/B AOC	Green Bicolor
Purple	Purple	Purple	AOC Bicolor
H/B Blue	H/B Blue	H/B Pastel	Albino
H/B Pastel	H/B Pastel	H/B Blue	Bronze
Red Bicolor	Red Bicolor	Red Bicolor	H/B Gold
Blue Bicolor			Swordtail
Green Bicolor	<u>BREEDER MALES</u>		Yellow
AOC Bicolor	5 matched males		Novice
Albino	<u>BREEDER FEMALES</u>		
Bronze	3 matched females		
H/B Gold			
Swordtail			
Yellow			
Novice			

ACCOMMODATIONS: Room reservations at the Carlton House may be made through Bob Hoitt, 360 Brigantine Circle, RFD #8, Plymouth, MA, 02360. Phone: 617-224-8228. Rates are: Single-\$17.00; Double- \$23.00.

## BANQUET:

We are unsure of banquet arrangements at the present time.

## DIRECTIONS TO CARLTON HOUSE:

From North going South- Going southbound to Boston from Routes 93 and 95, take Route 3 (Southeast Expressway) to Neponset Circle Exit (exit #20). Follow ramp to Gallivan Blvd (Route 203). Follow road for about 1/2 mile until you come into Neponset Circle. Go straight onto Neponset River Bridge and bear right to first set of lights. Go left to next fork, bear right at exit sign saying "Business District". Follow ramp down until Carlton House entrance is on right.

# NEGA Rules....

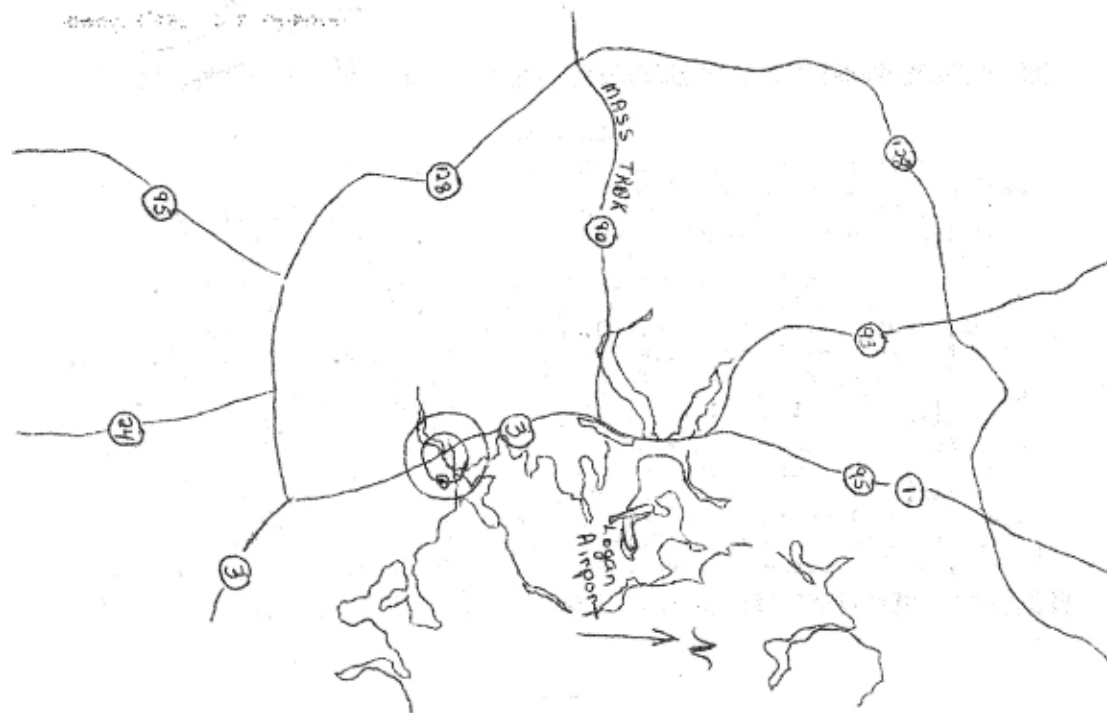
From West going East- Take Massachusetts Turnpike to Southeast Expressway (Route 3). Take Route 3 to Neponset Circle EXIT (exit #20). Follow road for about 1/2 mile until you come into Neponset Circle. Go straight onto Neponset River Bridge and bear right to first set of lights. Go left to next fork, bear right at exit sign saying "Business District". Follow ramp until Carlton House entrance is on right.

From South going North- Going northbound from Routes 24 and 95, take exit to Route 128 South to Route 3 North (Southeast Expressway). Going North follow Expressway until you see Exit #23. Continue following until you see sign saying "Neponset, Dorchester, Granite Ave-Next Right". Proceed about 200 yards cautiously because there is no sign at the exit ramp. Get off at that exit. Follow road until you come to a set of lights with McDonald's on the right. Go right at those lights onto Gallivan Blvd (route 203). Follow road for about 1/2 mile until you come into Neponset Circle. Go straight onto Neponset River Bridge and bear right to first set of lights. Go left to the next fork, bear right at exit sign saying "Business District". Follow ramp down until Carlton House entrance is on right.

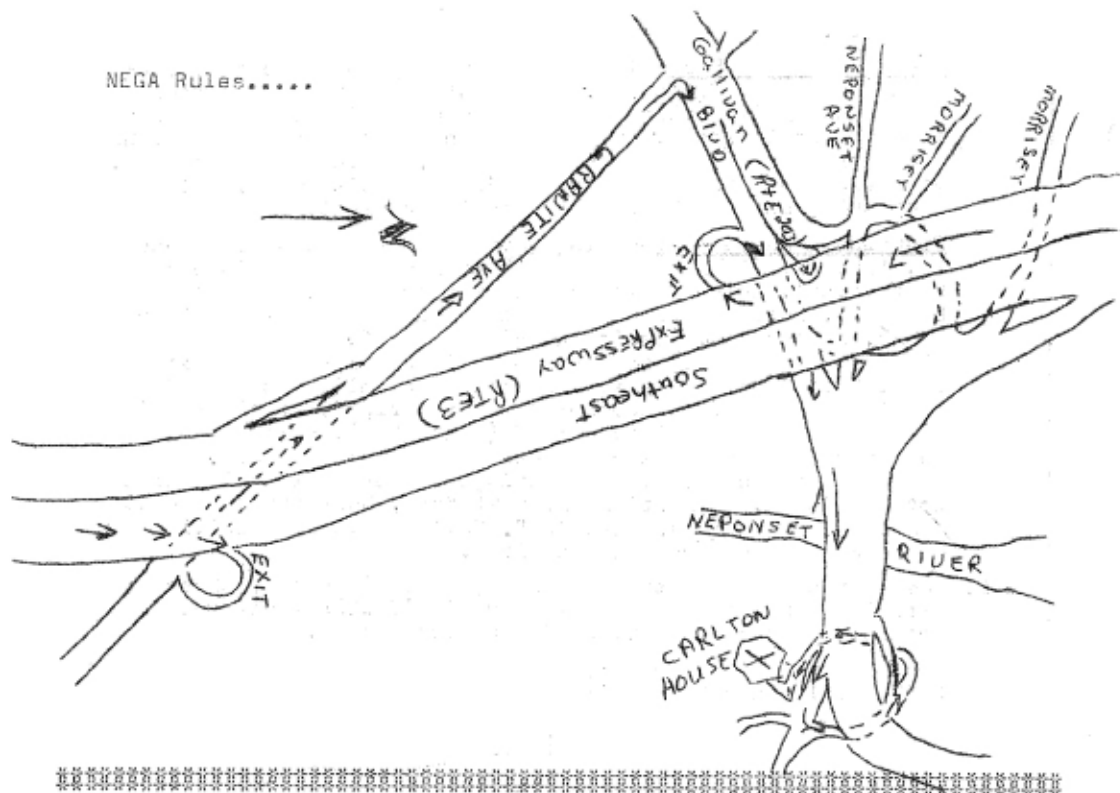
P.S. Due to road construction and lack of proper signs, these directions may sound confusing but DON'T DESPAIR-if you get lost, here's the number for Carlton House:

617-328-1500

GOOD LUCK! SEE YOU THERE!!



NEGA Rules.....



#### AUCTIONS

Two IFGA member clubs are holding auctions in March and are asking for our participation.

The South Jersey Guppy Group is holding an auction in conjunction with their regular monthly meeting. Joe Rosenberry tells us the purpose is to raise money to hold workshops open to the public to inform them on the care and breeding of show guppies. Their auction will be held Sunday, March 13, 1977 at the Townhouse Motel, Route 33, Hightstown, NJ. For further information contact Joe at 302-366-1773 or write 304 E. Edgewater Way, Newark, Del. 19711.

The Guppy Associates of Toronto is holding their auction on Sunday, March 20, 1977. They will be auctioning guppies and supplies with the GAT retaining 30% of the selling price. There are very few good guppies in the area and by sending your fish for auction, you could gain new sales for yourself after the fish are seen. The GAT cannot guarantee what the selling price for the fish will be but they will guarantee your postage. The person to contact for more information or to mail shipments is David Grigg, 48 Melbourne Crescent, Brantford, Ontario, Canada, N3S 7G3.

#### "GUPPY TALK"

by David Schondelmeyer

"Mr. King Cobra, sir, I think we ought to complain to the management about these filthy, polluted tanks we have to live in. I don't think I can stand this much longer!!!"

"Oh, look!! Half Black, there is someone looking at us; try to look pretty if you can. You know what I mean, and maybe, just maybe, he'll buy us and take us home to a nice clean, healthy atmosphere. Darn, he's leaving. That means we're here in this filth another day."

The above is the latest gossip!! I overheard two guppies talking about on the 28th of December, 1976 when I walked into a department store in the town I recently moved to. This, however, is not the first time I've seen such conditions and living quarters for tropical fish.

So, I'm writing this article to plead for all those mis-treated fish in miskept department store aquariums and those who are beginners or interested in beginning the hobby and unsuspectingly buy sick, contaminated, dying fish.

It's just not right that these conditions and situations should and do exist. If I were rich, I'd buy them all and give them good homes myself. Well, I'm far from rich so I can't do that, but I can plead to IFGA and all the rest of our concerned aquarists for help.

Anyway, let me get to the point, I'd like to set up or see instituted in the U.S., a commission for the control and regulation of tropical fish retailers to see that they are providing adequate and clean, healthy quarters and fair, reasonable prices on the sale of such tropical fish.

Maybe that would be a good topic or subject to bring up at the next IFGA meeting. Please keep me posted and how about some feedback from IFGA's readers. If you come up with any solutions or answers, let me know.

#### BY THE WAY.....

Have you ever tried to make a curved siphon or air tube from a length of straight plastic tubing? If you were unsuccessful, try this next time. Pack the tube tightly with cornstarch or silica sand, heat the tube over an electric stove or similar heating element until the plastic starts to give and bend it slowly over a suitable form such as a glass, bottle or broom handle. Hold the bend with a rubber band while the tube is cooling. When cool, soak the tube in lukewarm water to remove the cornstarch or sand. A fine coat of the starch may adhere to the tube but it isn't harmful to fish or plants.

reprint from Indianapolis Aquar.  
Soc. 9/76



# PROFILE ON THE EXPERTS.....

## ALEX KOVACS

Alex Kovacs is a well known name in guppy circles.....both for his ability as a breeder of fine show guppies but for his willingness to help out.

In 1975, Alex won 2nd place in the Half Black Female class. In the 1976 show season he took 1st place in that class and also came in 7th in Female Grand Overall.

Alex and his wife Jacque live in Bay Village, Ohio, a suburb of Cleveland. They have three grown children.

He began showing guppies in 1972. In 1973 he joined Guppy Associates of Greater Cleveland. Since then he has been showing in just about all the IFGA point shows and tries to attend about 4 or 5 of the shows in person.

According to Alex his favorite strain is half blacks with a special emphasis on the females. He has tried most of the others but his preferences stay with the half blacks.

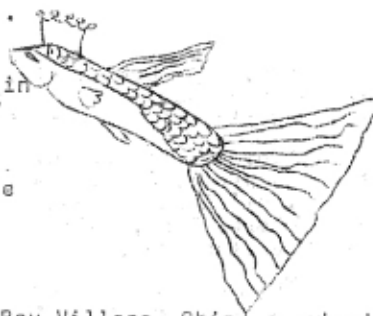
Most of his 63 tanks are devoted to guppies but he does keep Oscars.....I hope that doesn't mean they serve as a 'garbage disposal'!!!

Alex included with his questionnaire some very helpful suggestions for the Bulletin. What do you think?

He would like to see:

1. Year end point standings name and CLUB. ( THIS WOULD TAKE THE COOPERATION OF TOM ALLEN BUT I REALLY LIKE THE SUGGESTION.)
2. Point standings in every bulletin. (WE DO PRINT THEM EVERY TIME THERE IS A CHANGE.)
3. The names of clubs and city, state.(A GOOD IDEA!! SEE PAGE 12)
4. More about mistakes and problems in judging. (HOW ABOUT IT STAN, MAYBE YOU COULD HELP WITH THIS ONE?)
5. More about live food raising, how to start it and where to get your start. (ANY VOLUNTEERS? WE'D BE HAPPY TO PRINT IT IF SOMEONE WOULD JUST WRITE IT.)
6. Scientific information is good to get you to Think. (RIGHT)
7. How about a trading corner, if you get swamped. Charge for space! (??MAYBE??)
8. An article explaining Guppy Man of the Year and Guppy Hall of Fame. (THIS IS A REALLY GOOD IDEA. I'D LIKE TO KNOW MORE ABOUT MYSELF.)
9. Articles on disease and conditions people have had, and how to deal with them. (OK.)

I want to thank Alex for these ideas and for returning his questionnaire so promptly.



## IFGA MEMBER CLUBS

Baltimore Guppy Club	Indianapolis Aquarium Society
Ellicott City, MD	Indianapolis, IN
Bay Area Guppy Club	Indianapolis Guppy Breeders
Sunnyvale, CA	Indianapolis, IN
Calumet Guppy Breeders	Lancaster Ohio Guppy Specialists
Highland, IN	Lancaster, OH
Citrus Guppy Club	Madison Aquarium Club
Ocala, FL	Sun Prairie, WI
Columbus Ohio Guppy Specialists	Maumee Valley Guppy Association
Columbus, OH	Toledo, OH
Delta Kings of St. Louis	Motor City Guppy Breeders
St. Louis, MO	Howell, MI
East Coast Guppy Association	Midwest Guppy Club
Oceanside, NY	Chicago, IL
Everglades Guppy Association	New England Guppy Association
Miramar, FL	Buzzards Bay, MA
Fox Valley Guppy Club	Northeastern Indiana Fancy Guppy
Streamwood, IL	Columbia City, IN
Gateway Guppy Association	Northern Ohio Guppy Breeders
St. Louis, MO	University Heights, OH
Great Salt Lake Guppy Association	Orange County Guppy Club
Salt Lake City, UT	Gardena, CA
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Orland Park, IL	Pan Pacific Guppy Association
Guppy Associates of Greater Cleveland	Glendora, CA
Bay Village, OH	Potomac Valley Aquarium Society
Guppy Associates of Hawaii	Northfield, NJ
Kailua, HA	Puerto Rico Fancy Guppy Association
Guppy Associates of Lafayette	Rio Piedas, PR
Lafayette, IN	Royal Fancy Guppy Association
Guppy Associates of Milwaukee	La Vista, NB
Milwaukee, WI	Sacramento Guppy Breeders
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Toronto, Ontario	San Diego Guppy Association
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Independance, MO	Southern California Guppy Association
Houston Guppy Club	Seal Beach, CA
Houston, TX	South Jersey Guppy Group
Imperial Guppy Club	Colonia, NJ
Lakewood, CA	

If anyone is interested in contacting any of these groups you may write to the club in care of IFGA Editors and we will be happy to forward the letter. The cities given under the club name are the ones we have as mailing addresses of the delegates. Many of the clubs serve a large area.

ATTENTION!!!

ATTENTION!!!

ATTENTION!!!

IFGA Has been declared a non-profit tax exempt organization by IRS. We will be applying for a reduced postal rate soon!!!

## SELECTING FISH TO SHOW

by Midge Hill  
reprinted from IFGA 4/69

Selecting fish that will win is not a matter of luck, but a matter of learning evaluations and training the eye to select the best fish based on these evaluations. Through judicious selection and classification of his fish, even a small breeder can collect his share of the awards. True.....large breeders have a wider selection of fish to choose from, but quality, not quantity, is what brings home the trophies. Careful attention to proper classification is also vital, as even the finest guppy will be disqualified if entered in the wrong class.

The first step in selecting guppies to show is of course, to know the standards against which they will be judged. (See front-piece of the IFGA Bulletin for how to order the IFGA judging standards booklet.). The next step is to evaluate your own fish in light of these standards.

THE BODY: Although 25 points are awarded to the body alone, 10 of the points are for size and 8 are for color, making these two factors the most important considerations. The standards do not spell out HOW large is large, so both judge and breeder have to fall back on comparative sizes. This is as it should be as guppies have a way of getting larger every year. Any individual fish should be compared with other well-proportioned fish of the same color variety...it is an established fact that some color varieties tend to grow considerably larger than some other color varieties. For example, if you have a gold fish and a red fish that are exactly the same size, you may find that the red is one of the smaller fish in the red class while the gold might well be larger than any other fish in the gold class, because as a general rule gold-bodied fish do not grow as large as grey-bodied fish. As one leading guppy expert put it, "The only guppy better than a well-proportioned small guppy is a well-proportioned large guppy."

= When it comes to body color, the standards are more specific. Dorsal, caudal and body color should be the same color, or as close to one color as possible, the more pure or solid color being more desirable. More intense colors with good density are also better than dull colors.

Grey-bodied guppies often have an assortment of colors in streaks or spots on their, but no matter how colorful this assortment may be only the part of the body that matches the caudal color will receive body color points. Since many color varieties today do not have a considerable amount of the body repeating the caudal color, this should be watched carefully when selecting show entries.

When selecting half black entries look for an intense black body color that ends cleanly at the base of the dorsal. Under some types of lighting the body color of some half blacks becomes blue, green or purple.....whenever possible you should try to duplicate the type of lighting to be used at the show when selecting your entries. The shoulder area ahead of the half black portion of the

## Selecting Fish.....

body will pick up additional color points if it contains the same color as the tail.

When selecting snakeskins, a distinct, over-all rosette or chain-link pattern is most important. Zebrious bars, big black splotches, etc. should be avoided whenever possible as they detract from the ideal uniform snakeskin pattern. A dim, washed-out snakeskin pattern will also lose body color points. And here again, the more of the caudal color that is repeated in the body the better.

Body shape, while it does not receive as many points, should always be tied closely with size as a large humpy body can never be called as eye-appealing as a slightly smaller body that is smooth and shapely from nose to tail. Over and above the 4 points allotted to body shape, the standards allow for the deduction of up to 10 points for body deformity. The degree of deformity necessary for this additional penalty is not spelled out, but rather left to the discretion of the judges. Look your fish over carefully for such body faults as bent or deformed spines, missing gill plates, malformed lower jaws, pot bellies, hump backs, flat or lumpy heads, long slender peduncles that do not meet the standard requirements of 3 units of length to 2 units of height.

Body condition faults to watch for are: missing eye, missing scales, body wounds, bloated or hollow belly, protruding scales, white spots (ich), red spots (hemorrhages), whitish patches (velvet), gill or body fungus, etc. Fish with any of these ailments have no place on the show bench and should be left home.

Looking at the dorsal: As with the body, the emphasis for the dorsal is again on size (10 points) and color (8 points). The standards do set a ratio for dorsal shape, but since they do not specify any maximum or minimum size limit the judge has to use his discretion and his sense of symmetry. Obviously, a small dorsal on a very large fish would be out of proportion even if the ratio of length to width is exactly right. And certainly, a very large dorsal that makes a smaller fish look top-heavy does nothing to enhance the overall fish. Probably the best thing is to look for the largest possible dorsal that is proportionately eye-appealing with the correct ratio of length to width.

Dorsal color should match the caudal color as closely as possible. This is obvious for solid color fish.....a blue caudal should have a dorsal of the same shade of blue. The same principle applies to multi-colored fish and bi-color fish. Here the dorsal should not only contain the same combination of colors as the tail, but in the same proportions as near as possible. A good rule-of-thumb is to look for a dorsal that appears to be cut from exactly the same 'piece of cloth' as the tail.

For dorsal shape the standards specify a parallelogram, with ratios of length to height varying between the different tail classifications. Whether it is a large or small parallelogram is a matter of size. Shape deals only with the basic outline. One fault to watch for in dorsal shape is forking along the top edge



## Selecting Fish.....

or at the end. The top and terminal fringe should be as even as possible. If the forked appearance is in reality due to lack of pigmentation in certain areas, the fault would fall under 'color', if due to shredding or splitting it would fall under condition. Often only close observation can distinguish between the three.

Of course, you would also watch for good, healthy dorsal condition with no signs of fin rot, split ends, ends, etc.

Looking at the Caudal: It is the caudal that commands the largest number of show points with a total of 40. It should be big (13 points for size), colorful (12 points for color), shapely (10 points for shape) and in good condition (5 points for condition). In fact, the caudal is such an eye-catching appendage when it is a good one, that care must be taken to properly evaluate the other parts of the guppy. Selecting for caudal alone has been the downfall of more than one exhibitor who forgot that while the caudal scores 40 points the other features come to a combined total of 60 points.

While the standards do not set limits on caudal size, they do specify caudal size in relation to body size, therefore the 1 to 1 must be kept in mind when gauging caudal size. When body and caudal are not in a 1:1 ratio, the slightly smaller body with a caudal a little over 1:1 would have a slight edge over a larger body with an undersized caudal.

Caudal color is of prime importance as it sets the pattern for all the other color carried by any individual fish, and it is the most common basis for classifying the fish. In solid color classes the color should be as pure and intense as possible. Multi-color classes call for three or more colors. When selecting multi-entries try to find fish that have as equal distribution as possible between the three colors. The pattern in which the colors occur is far less important than the percentages of colors displayed. In both multi and bicolor entries brilliance of color and contrast of color(s) mark the more outstanding fish.

Caudal shape for each type of guppy is clearly outlined in the standards. No matter which type of caudal shape, both top and bottom edges should be straight and even. Some of the more common tail faults to watch for are: top rays longer than bottom rays or vice versa, back edge concave or convex, outer rays do not extend to the end of the tail, outer rays curve outward or inward, back edge uneven, rounded corners, caudal off center (carried too high or too low), etc.

Since the caudal is one of the most outstanding features of the show guppy, all effort should be made to select fish whose caudals are in as good condition as possible. Although the present method of deducting points for tail splits does not impose a very heavy penalty on the fish, allowed to win. However, since fish CAN win with such faults you'll have to let your own conscience be your guide in selecting entries with split caudals. Other caudal condition faults to watch for are eroded or torn back edges, shot

## Selecting Fish.....

holes in the center portion of the tail between the rays, clamped fin, missing chunks, etc.

Depotment: A healthy fish in his prime should be active and carry his finnage well. True, fish in show bowls do get frightened and seek the bottom and corners to hide in. Much of this can be eliminated though by conditioning the fish BEFORE the show to the narrow confines of a show bowl, bringing 'home' water along to the show to avoid water change shocks, limiting his feedings so he is actively seeking food instead of lying full and lazy on the bottom to contemplate the miseries of his new location, isolating him from the girls for a few days so he will do his best to show off if you add a female to the entry. If the fish depots well in the home tank then one or another of these methods will likely keep him on his toes at the show. However, do not expect any of them to work on a tired old fish that does not even swim actively at home. And remember, no matter how fabulous a fish might be, if he will not get up off the bottom of the bowl he simply cannot be judged. A good judge will often return several times to give the fish a chance, but he cannot judge what he cannot see.

Symmetry: Symmetry is both the beginning and the end of a good guppy. All parts should fit together to make a fish with beautiful lines and pleasing proportions. Look for a combination of smooth-flowing lines, finnage and body that compliment each other, sparkling colors that show the symmetry.....humpy back, unbalanced tail carriage, lack of color or colors that do not complement each other, mis-shapen dorsal, poorly proportioned finnage, etc.

In short, it is a beautiful OVER-ALL fish that will bring home the trophies for you.

Matching: When selecting matched male entries, the main thing is to select fish that are as similar in ALL respects as possible: size, depotment, finnage size and color, body pattern, dorsal size, shape and color, caudal size, shape and color..... even impurities should match if such are shown in any of the fish.

\*\*\*\*\*

## HYDROGEN PEROXIDE USED TO INCREASE DISSOLVED OXYGEN LEVEL

by Doug Murphy

reprinted from Thru the Looking G.L.A.S  
1/77

I ran across a monthly publication, "The Progressive Fish-Culturist", last week at the biology library of good old P.U. It is a quarterly for fishery biologists and fish culturists published by the United States Department of the Interior, Fish and Wildlife Service. It is a good collection of papers on and publications of experiments with (you guessed it) fish.

I found several articles of interest. One of which bears reviewing. The title of the article is "Hydrogen Peroxide as a Source of Oxygen Supply in the Transport of Fish". It is written by V.B. Marathe, N.V. Huigol, and S.G. Patil, Dept. of Zoology,

Peroxide.....

Institute of Science, Nagur, India. This article involves the use of hydrogen peroxide ( $H_2O_2$ ) to maintain the dissolved oxygen supply within a closed container. It was found that one drop of 6%  $H_2O_2$  when added to one liter of water at 24°C or about 75°F increased the dissolved oxygen by 1.5 parts per million (ppm).

The following chart also appeared:

NUMBER of $H_2O_2$ drops added per liter of water	Increase in dissolved oxygen
1 drop	1.5 ppm
2 drops	3.1 ppm
3 drops	4.4 ppm
4 drops	5.9 ppm
5	7.5 ppm

In one experiment, 50 *Cyprinus carpio* (carp fry) 1.5 to 2.0 cm were placed in 1 liter of water. The initial dissolved oxygen level was 5.2 ppm in this closed system. In total, 18 drops of  $H_2O_2$  were added at 4 hour intervals over a 72 hour period. The additions occurred only during the daytime. Of the fry, 86% survived and the ones that died did so during the night when the oxygen level would be the lowest. The pH was relatively unaffected (remained at 8.2) while the carbon dioxide increased from 0 ppm to 35 ppm.

Another experiment can be summarized as follows:

	1 LITER WATER BOTH CLOSED CONTAINERS)	1 LITER WATER
NUMBER OF FRY	25	25
HOURS W/O AIR	72	72
DROPS 6% $H_2O_2$	0	12
% FRY SURVIVED	0	100

Therefore: Hydrogen peroxide could be used to maintain or replenish the dissolved oxygen in closed containers/

I have not tried using hydrogen peroxide in this manner, but will definitely experiment with it before moving any great distances. I could also see myself walking into a show without air-stones, tubing and only with a 29¢ bottle of hydrogen peroxide not worrying about fish in a drum bowl that is a little too small. Hydrogen peroxide has definite possibilities.

WARNING: Hydrogen peroxide can be conveniently used to increase the dissolved oxygen content but., # 1 do not exceed the oxygen requirement of the fish you have. The dissolved oxygen level can become too high. #2 Hydrogen peroxide can be harmful to the fish if too much is added. KNOW THE PROPER DOSAGE, EXPERIMENT FIRST.

\*\*\*\*\*

BY THE WAY.....

Tact is the rare talent for not admitting you were right in the first place.

\*\*\*\*\*

#### LIST OF ACCREDITED IFGA JUDGES

1. Stan Shubel	8715 Hidden Lake Dr.	Howell, MI	48843
3. Pop Morgan	4824 E. New York St.	Indianapolis, IN	46201
6. Midge Hill	9903 Candia Dr.	Whittier, CA	90603
8. Mike Regent	17 Autumn Ct.	Colonia, NJ	07067
10. Dale Marteeny	717 E. Juanita Ave.	Glendora, CA	91740
11. Ethel Shubel	8715 Hidden Lake Dr.	Howell, MI	48843
12. John Parrott	4488 Paula St.	Lakewood, CA	90713
16. Don Craft	103 Lake View Dr. SW Route 2	Pataskala, OH	43062
20. Don Saurers	2610 Elliott Ave	Columbus, OH	43204
22. Mike Khalid	17810 Hatton St.	Reseda, CA	91335
23. Dave Crabtree	680 Scriven	Columbus, OH	43226
28. Joe Krader	2540 Bluebell	Seal Beach, CA	90440
29. John Wolcott	2112 Merritt Dr.	Northfield, NJ	08225
30. Joe Rezutka	5717 S. Newcastle	Chicago, IL	60638
31. Dave Boone	1044 Renoir Ct.	Sunnyvale, CA	94087
32. Sue Hull	911-L Manor Lane	Columbus, OH	43221
33. Andy Hull	911-L Manor Lane	Columbus, OH	43221
35. Earl Hansen	14540 Birch St.	Orland Park, IL	60462
36. Alice Regent	17 Autumn Ct.	Colonia, NJ	07067



# INTERNATIONAL FANCY GUPPY ASSOCIATION



APR 1977

**OFFICIAL  
PUBLICATION**

# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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## OFFICIAL BULLETIN

### INTERNATIONAL FANCY GUPPY ASSOCIATION

APRIL, 1977

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# EDITORIAL

In doing a little research thru the back issues of The Bulletin for the "Profile on the Experts" feature, I've run across some very interesting things (and some not so interesting, too!)

Do you remember when Stan Shubel was President and Ethel was Secretary? Art Hopkins was Vice President and Jim Schroeder was the Treasurer. In January 1972, Midge Hill began as Editor of The Bulletin. In her first editorial she said, "The IFGA Bulletin starts off its 'new look'." Must have been a good one since we still use most of the same formats such as the "Racing Form section" as Midge called the show results. Point standings in the 21 classes showed the 1st 5 places--- a nice touch, I think, since it gives #4 an idea who is on his tail so to speak. Many familiar names are in that list: Lou Wasserman, Glen Parrish, J&J Parrott. Also included are some strangers to me like Phug Kim Heng who was in 2nd place in the multis or Tan Chye Teow in 4th place H/B Red. The only female classes were H/B and female grand....what would womens lib say to that?!

The Annual Meeting for November 1971 must have been a whopper. It was called together at 1:30PM, adjourned at 7:15 for the banquet and then reconvened at 9:40 PM and not adjourned until 10:55PM. One of the accomplishments from the meeting was to set a 12 show limit and establish a rotation system for the 35 member clubs.

At the April 1972 meeting it was decided to have two subscription rates- \$6 for 3rd class and \$8 for 1st class mailing.

Midge ran a map of the U.S. showing the distribution of member clubs. I think that was such a good idea I've done that very thing in this issue. I have her map too, just to show how the locations have shifted.

In September of 1972 the Southern California Guppy Association sponsored an IFGA 7 pt show along with an International show with 177 European entries. The Best of show male in the European section went to Max Kahrer with a Viennese Emerald. The classes included Roundtail, Cofertail, Scarftail and Dovetail....and we have trouble deciding if a fish is a blue delta or a green veil.

I want to personally thank Midge for her suggestion in Feb. 1973 that IFGA combine the January/February issues "...to preserve the sanity of whoever the editorial staff might be...." over the Christmas holidays. Great Idea-glad it stuck.

Midge had a lot of great ideas for the Bulletin. She ran a very successful series called "Rapping It Up" which consisted of short paragraphs like a "Letters to the Editor" with gripes, nods of agreement, thank yous, suggestions, etc. That seems like a good one to revive. How about it?? Let people know how you feel- complaining to your wife about something 'fishy' might get it off your chest but having it printed for all the subscribers to read is a #\*% of a lot more effective.

In August of 1974 Ted Iobello submitted a letter on behalf of Guppy Associates of Chicago inviting IFGA Members to nominate

# EDITORIAL....

people for The Guppy Hall of Fame. Included on the then current list of Hall of Fame Members were such names as Paul Hahnel, Larry Konig, Stan Shubel and would you believe Lechmere Guppy. The list of IFGA judges numbered 29- #29 being the newly accredited John Wolcott.

At the May, 1975 meeting, Dr. Herb Lapp reported some members were having trouble with brine shrimp eggs. It seems they were "expensive and the hatches very poor". My, my, doesn't that sound familiar?!

Well, all in all, most things haven't changed that much in the past few years. IFGA is still a growing, enthusiastic organization offering good shows, helpful information and lots of great fellowship for "guppy nuts" all over the country! I'm sure the upcoming years will find IFGA still active and getting even better with the help of ALL the members.

## ABOUT JUDGING.....

by Stan Shubel

It has bugged me for the past couple of years why more people were not passing the visual IFGA judging test. This is especially true in some cases where I had judged with certain individuals many times and knew them to be capable judges. But when it came around to the test they would freeze up or something, and fail the test. Yet under non-test conditions they would do great. We very definitely need more judges at the shows. The board and myself were trying to come up with some method of getting more judges without lowering the standards.

Some time ago Paul Pullman from Salt Lake City had suggested having the people judge just one color class for the visual requirement. At the time, I did not feel it was a good solution as the other judges had to judge the fish as Best of Show using different colors, and felt it would be unfair to them.

However, recently talking with Don Craft, he mentioned the same thing with some slight differences. He suggested having three levels of judges. After we had talked it over some more we thought perhaps we could have it as follows:

- 1) After passing either the written or visual test you would be an assistant judge.
- 2) Judge five males of a single color class. Then, provided you place them in the proper order and correct point spread, you would qualify as a judge having passed both written and visual tests.
- 3) Later, if you wished, you may judge five different colored males under Best of Show conditions. Again, if you have the proper placement and point spread, you would qualify as a Senior Judge.

This would entail a little more work for the judging board, but at the same time would perhaps place some people on the

## JUDGING.....

judging list who belong there.

Those of you who have taken the visual test know that we only have around a five point spread between 1st and 5th place, sometimes even less than that, so it still won't be like falling off a log to get through the test.

On the same train of thought we might also ask the delegates to approve judging pins, for example: a red colored pin for a regular judge, a blue colored pin for a Senior judge. I'm sure John, our President, would go along with the idea seeing as he is already qualified and would get the blue pin.

All kidding aside, I think it would be a good idea as it would give the aspiring judge something to work for as well as something rewarding the judges for all the work they do at the shows.

As for the requirements for the qualified judges to attend a seminar every other year, I think rather than have them sit through several hours of redundant material they have listened to numerous times, it might be more beneficial to have a mini session where all new material, such as problems on various areas of judging as well as suggestions on improving procedure, could be covered. (For myself, I figure I should be set for the next ten years considering all the seminars I've attended.)

Think it over and let us know your club's feelings in April.

Also, Dennis Hirth has passed the necessary requirements for a qualified judge. (Thought I better mention that. HE'S BIGGER THAN I AM!!)

## FUNCTIONAL SEX REVERSAL OF THE POECILIIDS by Tony Benages

I will, in this article, cover the process of fertilization in livebearers and the work which has been done on sex reversal. I will terminate this article with recent conclusions on this subject.

Fertilization, sperm storage in females and viviparity: In the poeciliids the ovum is fertilized while still in the follicle. The follicular cells (which separate mature ova from the central ovarian cavity) thin out to form a delle (funnel-shaped invagination) shortly before the arrival of the sperm. At the apex of the delle, a minute pore permits the entrance of the sperm. The embryos which result from this fertilization develop in the follicle. When the time for birth arrives, the follicle ruptures, releasing the young for birth.

Females are able to store sperm in the oviduct for long periods. Fertilization of eggs months after contact with males is possible. The ovary contributes to the food supply of the embryos by the secretion of nutritive fluids into the follicular or ovarian cavity. The embryo is bathed in and swallows or absorbs this

## SEX REVERSAL.....

fluid through the skin.

Spontaneous adult hermaphroditism and sex reversal: Hermaphroditism in Poecilia is not regular. In 1957, H. Spurway recorded functional bisexuality in a guppy and in 18 of its young. Parthenogenesis was discarded in view of the co-existence of functional testicular and ovarian tissue and the likelihood of self-fertilization. The off-spring of the 18 fish were all females.

In a second type of hermaphroditism, adult fish are morphologically of one sex, but subsequently undergo spontaneous reversal to the other sex. This condition is known as protogynous if the ovary develops first. If the testes develop first, the condition is known as protandrous. Most instances of sex reversal are reported to be protogynous rather than protandrous.

Although exceptional, protogynous sex reversal has been described repeatedly and in full detail. Before the sex reversal is started, a female must first give birth to young in order to prove that she is a functional female instead of an under-developed male. After the sex reversal, neomales (newly formed males) must demonstrate the completeness of the transformation by successfully impregnating virgin females.

In the process of sex reversal, the oviduct is converted to a sperm duct. The male coloration replaces that of the female. The gonopodium begins to develop. Oviposition is arrested and the female's characteristic gravid spot between the pelvic and anal fins fades. As the gonopodium begins to grow, the ova disappear and the follicles become atretic. Most of the ovary disintegrates, leaving the epithelium of the ovarian cavity. Leucocytes (white blood cells) eventually dispose of the masses of ovarian debris. From the residual epithelium, radial sex cords rapidly proliferate to form a testes. The germ cells then multiply quickly. Eventually, the new testes is indistinguishable in morphology, location and function from the testes of a typical male. The sex chromosomes of the neomales are XX, however, as opposed to the XY of a typical male. All offspring of a neomale and a typical female are females. The process of sex reversal may require from three to four months.

Experimental sex reversal: In Xiphophorus (another type of live-bearer) feeding....by adding it to aquarium water....of testes powder or testosterone propionate to pregnant females and to the young when they were born, had the result that all the young which grew to maturity were males. Intramuscular injections of testosterone propionate into pregnant females, immature fish, and adult non-pregnant females caused complete masculinization of some, but not all, fish. Male sex characteristics were conspicuously developed in all cases in carefully controlled experiments carried out in a similar series. All fish obtained masculinization, in about one half of the cases with spermatogenesis.

Various estrogens, when given to immature male Xiphophorus, caused the appearance of a testis-ova. Accessory sex structures



# SEX REVERSAL.....

may be influenced by the administration of heterosexual sex hormones, particularly androgens, at any time. The sex of the gonads of embryonic, immature and somewhat mature fish may be partially or completely reversed by the same agents. Further study is needed in the histologic details of each stage of reversal, as well as in the measurement of androgenous sex hormone levels in blood and in the gonads.

Discussion: Although sex reversal has been reported in previous years, the concept of sex reversal in the livebearers is currently being disputed. Internal morphology does, in fact, change considerably. However, before a livebearer can become functionally sex reversed, it has to have a functional gonopodium. This is where the concept of functional sex reversal in the livebearers is questioned. In order to have a functional gonopodium....that is, one which is able to pivot....the fish needs a modification of the hemal spines called gonapophyses. These bones are necessary for the proper functioning of the gonopodium during copulation. Females which undergo sex reversal treatment generally do not develop the gonapophyses even though their actinosts do modify into gonactinosts and the anal fin rays do develop into a gonopodium, however, not quite like that of a normal male.

The correct procedure for conducting a sex reversal experiment requires several hundred impregnated female livebearers in order to increase the odds. Even in reported cases, the percentage of sex reversed females is very small. Conditions then have to be standardized in order to exclude the environmental interference. The females have to give birth to healthy young. They are then subjected to a standardized treatment; all females receiving an equal amount of testosterone. The female young from the birth should be isolated in order to maintain them as virgins for experimentation further on. At the end of the treatment, the neomales are placed in a tank with one of the virgin females in order to ascertain whether or not sex reversal is complete. If the female gives birth, it must have been from the neomale since she was isolated from any other males previously.

An experiment conducted in the Fisheries Research Laboratory at Southern Illinois University attempted to prove or disprove the validity of sex reversal. However, several discrepancies were noted. First....only one fish was used. Even in the most successful of the sex reversal experiments cited, only a very small percentage of the females were successfully reversed. Secondly....radiographs (x-rays) were used in order to observe the developing bone structures of the females gonopodial suspensorium. This is not valid if results are to be published since the radiation from the x-ray machine would very possibly (and probably did) alter the newly forming cells sufficiently even if everything else were proceeding properly. Thirdly, the female died before any crosses with virgin females could be set up. If anyone wants to read the write up of this 'experiment', it was published in the August 1971 edition of Tropical Fish Hobbyist. Note, I would not dispute their findings if these discrepancies were not noted. However, in

\*3\*

# SEX REVERSAL.....

order to prove or disprove the concept of sex reversal, properly documented experiments should be run.

reprinted from "Livebearers" 1/74

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ATTENTION!!!

ATTENTION!!!

ATTENTION!!!

A reminder to all showchairmen.....The albino female class is a sponsored class the 1977 show year. Don't forget to include it in your list of show classes.

ATTENTION!!!

ATTENTION!!!

ATTENTION!!!

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A SPECIAL THANKS

by Ethel Shubel

There is this screwy hobby that Stan and I belong to, It borders from New York to California's Golden Gates, People think we're crazy when we tell them what we show, but little do they realize the wonderful people that we know. Others have tried to duplicate our rules and regulations, but none have ever mastered the fond remembrances of sincere relations. Nor do they have a club, who started a sensation, when they organized a group, who decide it was well, to start to give a trophy for those who helped so well.

It honors all who are on this plaque which hangs within Chicago's walls. We are amongst the lucky ones, my husband Stan and I I know so well why he is but not at all why I?! But I'll not question fate, my friends, but will accept with elation, The honor you bestowed on me when you put me with the great ones of our guppy nation.

The name of our club, as you all must know, Is The International Guppy Association with our famous shows. The honor I speak of, you all know the name, is of course the "guppy Hall of Fame". This honor started many years ago, by the Chicago group at one of thier shows. And has inticed many people to advance our hobby and shows.

So all you great people from far and wide, who do or don't stand by Stan's and my side, I'd like to THANK YOU in my simple way for the honor you bestowed on me that November day. God Bless,

Ethel Shubel

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BY THE WAY.....

Fish don't cry...it makes the water too salty!

# GUPPY ASSOCIATES OF GREATER CLEVELAND

7 PT GUPPY SHOW

MAY 14 and 15, 1977

LOCATION: Adult Training Center, 5100 Pearl Rd, Cleveland, OH

## GENERAL RULES:

1. All entries will be registered between 1:00 PM and 6:00 PM EDT Saturday, May 14, 1977.
2. Judging will begin at 7:00 PM Saturday. Entries will be judged by visual judging in conjunction with IFGA rules.
3. The exhibitor will determine the class of competition in which his entry is to be exhibited. Assistance in classification will be available, if needed, at the time of registration.
4. Every precaution will be taken against loss of fish or other hazard, but the show committee cannot assume responsibility for such loss.
5. Fish may not be removed from the show until awards have been presented, at which time a member of GAGC will return the fish to the exhibitor.
6. The show will be open to the public from 10:00 AM until 3:00 PM Sunday.
7. No gravel, greens, or decorative items may be used with any entry.
8. Lighting will be overhead fluorescent.
9. Stands will be draped with black cloth.

**SINGLE ENTRIES:** Both male and female single entries are to be exhibited in 2 gallon drum bowls 3/4 filled with water. One female may be included with a male, but only the male will be judged.

**TANK ENTRIES:** An entry will consist of two matched males. A female may be added, but will not be judged. Entries will be exhibited in 1 1/2 gallon aquariums.

**BREEDER FEMALE:** Entries will consist of three matched females and will be exhibited in 2 1/2 gallon aquariums. All entries will be judged as one class.

**BREEDER MALE:** An entry will consist of five matched males. Two females may be added, but will not be judged. Entries will be exhibited in 2 1/2 gallon aquariums. All entries will be judged as one class.

**NOVICE CLASS:** These classes are open only to those who have never won a first place in open competition in an IFGA Show.

**AUCTION:** An auction will follow the presentation of awards. Exhibitors wishing to have their entries sold at auction should so specify when registering by using the space provided on the entry form. 25% of all auction proceeds will be retained by GAGC.

**FLOOR SALES:** A 25% charge will be made for all floor sales.

**AWARDS:** Trophies or plaques for all 1st places, ribbons for all 2nd, 3rd, 4th places.

## GAGC RULES.....

### 71 CLASSES:

TANKS	DELTA	VEIL	COMB.
Red	Red	Red	Sword
Blue	Blue	Blue	Bronze
Green	Green	Green	
Black	Black	Black	<u>FEMALE</u>
Gold	Gold	Gold	Red
Purple	Purple	Purple	Blue/Green
Yellow	Yellow	Yellow	Black
Multi	Multi	Multi	A.O.C.
A.O.C.	A.O.C.	A.O.C.	Gold
Snakeskin Sol.	Snakeskin Sol.	Snakeskin Sol.	Albino
Snakeskin Var.	Snakeskin Var.	Snakeskin Var.	H/B Red
Albino	Albino	Albino	H/B A.O.C.
H/B Red	H/B Red	H/B Red	<u>NOVICE</u>
H/B Blue	H/B Blue	H/B Blue	Male
H/B A.O.C.	H/B A.O.C.	H/B A.O.C.	Female
H/B Pastel	H/B Pastel	H/B Pastel	
Red Bicolor	Red Bicolor	Red Bicolor	<u>MAXI-MALE</u>
A.O.C. Bicolor	A.O.C. Bicolor	A.O.C. Bicolor	<u>NON-POINT:</u> Largest male possible
Sword	Sword		
Bronze			
			<u>BREEDERS</u>
			Males
			Females

### SHIPPED IN ENTRIES:

1. All shipped entries must be received by May 12, 1977.
2. Airmail Special Delivery: Send to Alex Kovacs, 27905 West Oakland, Bay Village, Ohio, 44140. Tele: 216-871-3784.
3. Air Freight: Ship to Alex Kovacs, 27905 West Oakland, Bay Village, OH 44140. Air freight must be marked: CALL ON ARRIVAL- 871-3784
4. All shipping charges must be prepaid along with return fare. No collect shipments will be accepted. All fish shipped with no return fare will be auctioned.

\* \* \* \* \*  
Display tanks will be available at no charge.

**ENTRY FEES:** Single entry, male or female.....\$1.00  
Two matched males.....2.00  
Breeder tank, male or female.....3.00

**ACCOMMODATIONS:** A limited number of rooms will be available at the Howard Johnson Motel at 14043 Brookpark Road, Brookpark, OH. Rates are \$17.00 Single, \$20.00 Double, \$22.00 Double 2 beds. Please make reservation by May 2 through Alex Kovacs, 27905 West Oakland, Bay Village, OH. Tele: 216-871-3784 or call motel direct 216-267-2350.

**SHOW CHAIRMAN:** Frank Orteca  
557-3 Corkhill  
Bedford, Ohio 44146  
475-3991





# ALL GLASS AQUARIUMS.....

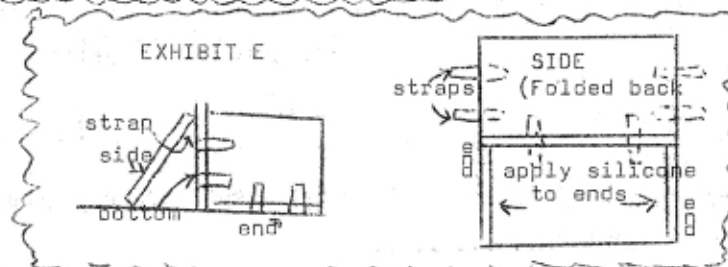
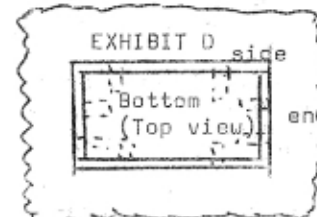
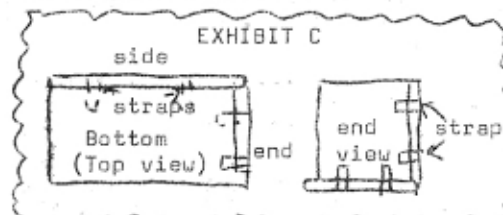
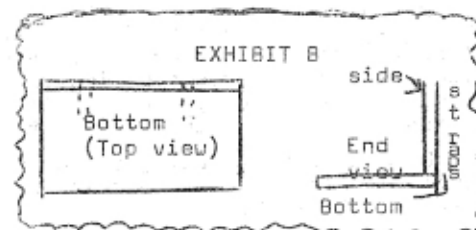
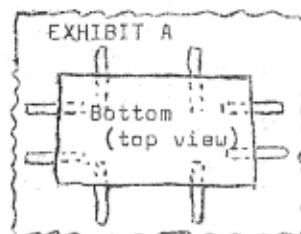
- the bottom along one side and bring straps up from bottom attaching side to the bottom (See exhibit B)
- STEP 6. Take one piece of glass for the end and place on the bottom, touching the side already attached. Bring straps from the bottom to hold end in place and use two straps to attach the side to the end. (See exhibit C)
- STEP 7. Place the other end in position the same way as step 6 and then put the second strap in place, attaching to the ends with necessary straps (See exhibit D)

At this point the entire tank has been assembled and can be handled without any problem of falling apart.

Procedure for Cementing Tank Together: Since the tank has now been properly assembled, the process of gluing all pieces together can begin.

- STEP 1. Lay tank on one side and loosen the straps attaching the side to each end. (NOTE: Do not remove straps attaching side to bottom) Turn side piece back using the bottom straps as a hinge. (See exhibit E)
- STEP 2. Use a piece of cloth, putting a little alcohol on it, and wipe edges of the glass and area on side which will come in contact with the glue. This is done to assure that no grease or dirt will create a problem in sealing.
- STEP 3. Apply silicone to the edges of the two end pieces, lift side carefully and place on the glued edges. When the side is firmly in place, reattach straps to end pieces which will then hold the side firmly in place.
- STEP 4. Slowly turn tank over so that it now rests on the side that was just glued. (This will also put additional weight on the glued edges) Then proceed as in steps 1, 2 and 3.
- STEP 5. After all areas have been glued, turn tank over so that both sides and ends are sitting on the bottom. For a more positive seal, the inside seams can now be caulked.

General Information: The tank should now set for approximately 24 hours to allow for a positive drying period. After this waiting period, place a piece of newspaper on a flat surface. Put the tank in the center and fill with water. Periodically check the newspaper to determine if there is any water seepage. If no wet spots are on the paper, a perfect seal was accomplished. If there are water spots on the newspaper, check the tank where the water shows and mark some identification at that point. Empty the tank and dry out with a towel. Let tank sit until you are sure it is completely dry, then apply additional glue to the seam where the leak occurred. NOTE: Do not put fish into the tank for a period of at least 48 hours after final sealing.



Glass requirement chart on page 10.

reprinted from Suburban Aquarist  
8/74

## MORE ON JUDGING

by Sharon Woodruff

At the recent All Ohio Meeting and Mini Show a lot of time was spent discussing the IFGA judging test and requirements. I'm sure it comes as no surprise to anyone that most of the delegates and people present were upset with the fact that so few people have been able to pass the test recently. Several people came up with suggestions on how they felt the test might be changed. Even with only the five delegates from Ohio present, no agreement could be reached.

I am neither a delegate nor a judge but I do have some opinions on the subject. One of the points is mentioned in the first paragraph of Stan's article "About Judging" on page 2. He says



## JUDGING.....

he has judged with several individuals who were unable to pass the test but did great under non-test conditions. Not only, as Stan mentions, do the aspiring judges have to judge 5 fish of different colors rather than one color class but have you ever seen a class judged at a show where each individual member of the judging team judged the fish one by one and with no help from the other team members? How many of their final tallies would agree?

Even when the judging board scores the test, the fish are grouped together and the members confer to come up with a point score for the fish.

During the test, each individual fish is judged by itself on its own merits comparing it to the ideal guppy. At the shows the fish are judged against each other.

I don't pretend to have the answers.....I'm not even sure exactly where the problem lies. The tests have remained pretty much unchanged throughout the years and yet people were able to pass in the past.

In 1972, six years after the formation of IFGA, there were 15 accredited judges- all active. In 1973 we had 18 judges, 17 active. By 1974 the total had jumped to 27 with 24 being active. 1975 found us with 31 judges and 27 of them active. However, in 1976, while the number has reached 36, only 19 are still actively judging at our shows.

Could it be the real problem lies in keeping the judges active rather than in changing a test which has apparently worked for the past ten years?

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## PROFILE ON THE EXPERTS.....

### JIM HORAN

This month's featured expert is none other than our bearded, pipe-smoking parliamentarian, Jim Horan.

Jim and his wife Dorothy are recent transplants to Jacksonville, IL from Columbus, Ohio. He, Dorothy, and their son, Jim, attend about 7-8 shows a year but try to show in all of them. Jim also has a daughter, Dawn.

I'm sure their home must be filled to the brim with all the trophies and awards Jim has won over the past 3 years. In 1975 alone he won 3rd place in bicolors, 2nd place multis, 1st place swords, 1st place blue/green female, 3rd place green, 3rd place Acc, 3rd place snakeskins, and 3rd place Male Grand!

All this guppy enthusiasm began when Jim attended the Columbus Guppy Specialists Annual Show in November of 1973. He bought a whopping 20 or 25 fish at the auction. According to him, "These fish were very promptly put into a 10 gallon tank and even



## EXPERT.....

more promptly proceeded to die.... Questions came to mind and the COGS member were the source of answers."

In addition to guppies, Jim raises fancy goldfish and the African cichlid L. Brichardi but I have a feeling that most of his 40 tanks are devoted to the five strains of guppies he raises. Swords, snakeskins, blues and half black blues all have a place there but the multis are the favorite of the Horans.

Jim's fish racks are made from 2x2 ladders bolted together with 2x4's in front and back nailed down for the tanks to sit on. Four Silent Giants arranged in a circle above the tanks in the rafters give a uniform supply of air with no worry of back pressure.

Five gallon tanks are used for breeding. The fry can hide in the plastic plants floating on top until the female has dropped all her fry. Then the young are transferred to another five gallon tank for 10 days of frenzied feeding. Then they are culled and placed in either a 10 or a 15 gallon tank for the next 5-6 weeks. At this age they go into a 20 for the duration.

The temperature in the tanks is kept between 78-80° for the first 2 months then dropped to 72-74°. Lighting is from three 4 foot double tube fluorescent fixtures on the ceiling. These are on from 7 AM until 10 PM every day.

Young fish are fed Rut-King 5-6 times a day and receive a feeding of live brine shrimp for their last feeding of the day. Adults get 3 feedings a day and brine shrimp 2-3 times a week. Show females get 5 Rut-King feedings and either frozen brine shrimp or freeze dried tubifex worms each day. Jim raises his own brine shrimp using between 2-4 bags per day. These bags are suspended over and set into a heated 10 gallon aquarium to insure maximum hatch. Shrimp are allowed to settle and are syphoned off into a cloth, then transferred to a container of fresh water to remove the salt. Jim has a theory (and he emphasizes that it is just a theory) that the ingested salt results in higher retention of body fluids thus creating chestiness. Normally 1½ teaspoons of eggs are used per bag but since the Horan's have a spawn of goldfish, they have increased this to 2 teaspoons per bag.

Every week 30% of the water is changed in all tanks except show females. They get a 30% change twice weekly. For each water change in tanks with adult fish (except show females), Jim adds 250 mg of ampicillin per 5 gallons of water and 1 drop 37% formaldehyde per gallon. This is to prevent tail rot problems.

Basically, all the tanks are bare. Box filters with the top removed are used in all tanks. No charcoal is used. Rocks supply ballast to keep the filters in the bottom of the tank. These filters are cleaned every two weeks or as it becomes necessary. A plecostomus in each tank eliminates the need to clean the inside of the glass every week as he used to do.

The selection of fish for breeding depends on the strain Jim is working with at the time. However, color seems to be a dominant factor. The female is generally selected at about 3-4 months of

EXPERT.....

age with the stockier ones whose caudal develops much later being preferred. Since he doesn't keep any females as virgins, he usually discards the 1st two batches of fry born after they are placed in the breeding tank. Usually one male to two females or 2 males to 3-4 females are used. Males are chosen depending on the characteristics he is trying to improve.

I'm sure Gateway Guppy Associates are happy to have Jim and Dorothy as new members. Jim is always willing to lend a hand or help a newcomer to our hobby.

By the way.....don't confuse Jim Horan, alias J. Horan, with J.G. Horan---that's his father!

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FROM THE PRESIDENT

We are approaching April and the continuation of the show year. Hopefully, the snow and ice will be melted away and a warming trend will favor us in April....I'm sure the Fancy Guppy will freeze their tails off if this frigid weather continues.

I wish every member would make a sincere effort to attend our shows or mail in entries. Clubs holding shows need our help just to break even.

PLEASE SUPPORT THE FANCY GUPPY SHOWS.

I believe much thought should be given to coming up with recommendations for less expensive trophies. This recommendation should be for clubs holding shows and the IFGA Annual Trophies. I hope all clubs will discuss this issue and make recommendations in April.

Regards,  
John Wolcott

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BY THE WAY.....

For all of you folks out there who: can't write, won't write; have broken pencils, no pencils; feel illiterate, are illiterate; etc..... The editorial staff has a cassette tape recorder. Since we know you all can talk, how about recording an article and we'll write it up. Just send us the tape and we'll return it good as new.

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*Good Luck in Lafayette, Toledo  
and  
Massachusetts!!*

GLASS SIZE CHART FOR ALL GLASS AQUARIUMS

TANK SIZE	SIZE			GLASS THICK- NESS	SIDES 2 PCS	ENDS 2 PCS	BOTTOM 1 PIECE	CROSS-PIECE PLEXIGLASS OR GLASS
	L	W	H					
2 1/2	12"	6"	8"	1/8"	12"x8"	6"x8"	6-1/4"x12"	
5	14"	8"	10"	1/8"	14"x10"	8"x10"	8-1/4"x14"	
10	20"	18"	12"	3/16"	20"x12"	10"x12"	10-3/8"x20"	
10	20"	10"	12"	1/4"	20"x12"	10"x12"	10-1/2"x20"	
15	24"	12"	12"	3/16"	24"x12"	12"x12"	12-3/8"x24"	
15	24"	12"	12"	1/4"	24"x12"	12"x12"	12-1/2"x24"	
20H	24"	12"	16"	3/16"	24"x16"	12"x16"	12-3/8"x24"	
20H	24"	12"	16"	1/4"	24"x16"	12"x16"	12-1/2"x24"	
20L	30"	12"	12"	3/16"	30"x12"	12"x12"	12-3/8"x30"	
20L	30"	12"	12"	1/4"	30"x12"	12"x12"	12-1/2"x30"	
29	30"	12"	18"	1/4"	30"x18"	12"x18"	12-1/2"x30"	(5/16) 12-1/16"x2-3"
40	36"	14"	18"	1/4"	36"x18"	14"x18"	14-1/2"x36"	(5/16 or 3/8") 14-9/16"x4"
50	36"	18"	18"	1/4"	36"x18"	18"x18"	18-1/2"x36"	(5/16 or 3/8") 18-9/16"x4"
50	36"	18"	18"	3/8"	36"x18"	18"x18"	18-3/4"x36"	NONE
55	48"	13"	20"	3/8"	48"x20"	13"x20"	13-3/4"x48"	(3/8 or 1/2") 13-13/16"x5"

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#### GROWTH INHIBITING SUBSTANCE

by Bob Sparks

Everyone who has raised tropical fish has noticed that the greater the number of fish kept in a closed system, the smaller each of them will be, all other things being equal. Have you wondered why this is so? Did you notice that changing water helps improve growth rate?

In the early days of the aquarium hobby, many hobbyists felt that the older the aquarium water might be, the more valuable it was in sustaining aquatic life. Today most hobbyists and scientists recommend frequent water changes as beneficial in a closed



## GROWTH INHIBITING.....

system set-up such as the aquarium.

What happens if you put a particular fish in a 10 gallon aquarium and circulate water from a 20 or 30 gallon tank through this aquarium? Experiments have shown that the fish will grow at the same rate as if it were placed in a 30 or 40 gallon tank. The larger the quantity of water, within limits, the faster the fish will grow, even if it is confined to a small area, as long as the total quantity of circulating water is larger. Put two fish of the same species through the same experiment and discover that the growth rate is less than for a single fish of that species. "Crowding" is a problem, the growth rate decreasing with an increase in population. This is not surprising since all that has been done by adding more fish is to reduce the ratio of the volume of water per individual fish.

What would you expect if you put one fish, each of two species together in a 10 gallon tank? Do they each grow at a slower rate than if they had individual 10 gallon tanks? Well, it has been determined that two fish will grow at the same rate in either case. But, put the two together in a larger tank and their growth rates increase over that in the 10 gallon aquariums, again, if all else remains unchanged.

Now we have a paradox. But we have not contradicted our statement that fish grow larger in larger volumes of water. It's just that the fish of the same species grow in larger volumes of water, or to say it another way, the effect of the ratio of volume of water per fish is not interspecific. Within limits, and I make this statement with limited information available, many fish can successfully be kept in an aquarium if several species are present than if only a single species is maintained.

There is a reason for this growth retardation. This reason is the presence of a material called Growth Inhibiting Substance which is an organic waste excreted by the fish themselves. So far, this material has not been isolated in quantities enough to determine its composition. However it does accumulate in the water and the normal filtration methods, including carbon and ozone treatments, do not remove it. In smaller volumes of water the concentration of the GIS increases more rapidly than in larger volumes and has a greater effect on growth rate. Experiments also show that the substance is different for each individual species and that the GIS from one species has no retarding effect on the growth rate of another species.

It appears that the effect of GIS is not totally irreversible. That is, once the growth rate has been retarded by GIS, changes of water or placing fish in larger aquariums will increase the growth rate again. However, the growth rate may never reach the level attained if the fish has never been stunted by the effects of concentrations of GIS.

There is currently quite a lot of activity occurring across the country, especially in the Midwest, to isolate and identify GIS.

## GROWTH INHIBITING.....

As we learn more of what it is, we should be able to better control its effect on our fish.

For the purposes of this report, it isn't necessary to know what the GIS is. It is only important to know that it is present and that its presence is the main reason for small fish in small aquaria. It should also give some inklings that something can be done to offset its presence, even in small containers.

Changing the water, either partially or totally, will give the same effects as moving the fish to a larger aquarium if changes are made large enough and frequently enough. And it is additionally surmised that the more frequently the water is changed, the less will be the effect of the GIS. Take the experiment of the Trout Hatchery at Eday. The trout are reared to good size in small areas but a constant change of water is used as a stream of water runs into and out of the ponds or troughs continuously.

There is little doubt at present in the aquarium hobby that water changes are beneficial. The one big question now is how much and how often should I change the water? You might expect the "how much" and the "how often" to be different for each species. I will reserve comment on this aspect at the present.

I like to make wholesale water changes for all my fish as often as weekly or biweekly, and daily for most fry. I get acceptable results using this procedure, which currently is quite time consuming for the 70-75 tanks I use. You might like to vary the quantity and frequency of your water changes, but it is important to make these changes. I am a firm believer that the closer you are able to come to a constant change of water, the better your results will be in growing large, healthy fish.

reprinted from Fish and Tips 9/73

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### IFGA SANCTIONED POINT SHOWS FOR 1977

Guppy Associates of Lafayette.....April 2-3  
Maumee Valley Guppy Association.....April 16-17 Meeting  
New England Guppy Associates.....April 30-May 1  
Guppy Associates of Greater Cleveland.....May 14-15  
East Coast Guppy Club.....June 11-12 Seminar  
Gateway Guppy Club.....June 25-26  
Puerto Rico Fancy Guppy Association.....July 9-10  
Sacramento Guppy Breeders Association.....July 30-31  
Northeastern Indiana Guppy Association.....Aug 13-14 Meeting  
Madison Aquarium Club.....Sept 10-11  
Bay Area Guppy Club.....Oct 8-9  
Guppy Associates of Chicago International.....Nov 4-5-6 Annual Meeting

Hey, all you fish! Ever wonder where you are when you're shipped to a show? (1972) Now you know...here's all the IFGA clubs...then and now.



#### ACCREDITED IFGA JUDGES

- |  |   |
|--|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843           | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201      | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603               | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067               | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740           | 31. Dave Boone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843         | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713             | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204            | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reese, CA 91335               |   |



**INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION**



**OFFICIAL  
PUBLICATION**

# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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MVGA  
2345 Oak Grove  
Toledo, Ohio 43613

## MEMBERSHIP

Membership in IFGA is limited to groups of 5 or more people.  
Rates are \$15 per year per club. For more information contact:  
Membership Chairman

# OFFICIAL BULLETIN INTERNATIONAL FANCY GUPPY ASSOCIATION MAY, 1977

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# FROM THE PRESIDENT

The show season is again in progress and Lafayette did a real fine job as usual.

There were 646 entries, hopefully this number will increase as the show year moves on. In talking with a number of our members it seems the cold of winter really hurt many of our breeders.

The Maumee Club also followed with an outstanding show. Columbus and Cleveland Clubs helped out with benches and bowls. This kind of cooperation between Clubs is really great.

This was Maumee Valley's first show and it was first rate. There were 694 entries, we're still climbing, let's all KEEP SHOWING.

The meeting on April 16th at Maumee was very good. Everyone had the opportunity to participate and the meeting moved along real good.

Two new clubs were accepted into IFGA- The Exotic Fish Society of Hartford and The Atlanta Guppy Club. Welcome!

The Constitution and By-laws have been updated. Each club should read and discuss this updated version and be prepared to discuss this material at our August meeting.

The Puerto Rico Point Show scheduled in July has been removed from our show calendar for failing to comply with IFGA rules.

Please Show Your Fancy Guppies and Support our Shows.

Regards,



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## EDITORIAL

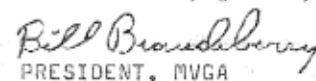
The first show in Maumee Valley's Guppy Association's short history is now over and believe me, it has been hectic for the past few days. Personally, I don't see how I ever lived through it. But I did, and on behalf of myself and the MVGA I want to thank a few people who unselfishly gave us assistance. First, I want to thank both Columbus and Cleveland for the use of their equipment- without which we could not have had our show. I want to thank Dave Crabtree and Don Saurers for arriving early to help set up their stands. We already had it done, but as they say, it's the thought that counts. I want to thank Tom Allen of Chicago for his valuable assistance at our auction. His excellent advise helped make our auction a success. I especially want to thank all those people who, after they found out that we did not have many fish going up for auction, put up for sale some of the fish they brought. I don't know who all the people were, but

## EDITORIAL.....

MVGA once again says thank you. I also want to thank David Grigg and John Helgers for their assistance while we were benching the shipped in entries. I also want to thank Larry Allen of Dayton. Larry gave us valuable help in setting up our lights and stands. I want to thank all of our local dealers and those manufacturers who donated supplies for our raffle. Last, but not least, I want to thank those who attended our show and those who shipped fish. These are the ones who really made our show a success. If there is anyone else who helped please forgive me if I have forgotten to mention your name. It is not intentional so I will say THANK YOU at this time. All of the above people once again prove that guppy people are among the best people in the world.

As I said before, this was our first show as a club. Being a meeting show, it was not as bad as I thought it was going to be. Even with all the hard work, I feel that it was worth it. We have had a great deal of interest expressed to us about our club, the guppy, guppy shows, and IFGA. Seeing as this is what we're all here for, that is, promoting the guppy, we should be greatly encouraged. Especially new clubs that have yet to hold their first show. It will be hard work and sometimes you will wonder if it is worth all the trouble. As far as MVGA is concerned, it is a resounding YES!! If some of the new clubs are debating about accepting a show, let me say, "Try it, you'll like it!"

In closing, and I don't know if this has ever been done before, I would like to give you a report of the number of deaths as a result of our show. We had two "Dead on Arrivals" and two more who died after they were benched. With 694 entries this comes down to a mortality rate of 0.6%. All fish, except those four mentioned, were shipped back alive. If anyone's fish did not reach them alive please let me know. This goes for other shows as well. I think it might be interesting to know what the death rate is for guppies at shows. Write to me in care of the editors of the IFGA Bulletin. I'm running out of paper so I will say good-bye until the next time.

  
PRESIDENT, MVGA

\*\*\*\*\*

## IFGA POINT STANDINGS AS OF APRIL 19, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1. J&M Walker	896	1. G.Parrish	474	1. L.Wasserman	910
2. A.Ahrenholz	392	2. S.Shubel	350	2. M.Lastella	616
3. J&S Woodruff	392	3. B&J Orth	336	3. J&M Walker	308
4. A.R.Mueller	196	4. L.Wasserman	308	4. G.Parrish	238
BLACK CLASS		MULTI CLASS		AOC CLASS	
1. L.Wasserman	1208	1. J.Horan	938	1. B&J Orth	1092
2. B&J Orth	686	2. R.Szydluk	616	2. D.Han	476
3. H.Coren	252	3. R&L Williams	364	3. E.Golimowski	336
4. R.Yater	168	4. C.Varney	112	4. R.Szydluk	140

## STANDINGS.....

BICOLOR CLASS	PTS
1. R.Szydlak	2856
2. M.Lastella	448
3. J.Wolcott	434
4. A.R.Mueller	364
4. B&J Orth	364

## GOLD CLASS

1. B&H Lapp	532
2. T&S Wasylink	406
3. D.Saurers	154
4. R.Szydlak	140
4. J.Thale	140

## ALBINO CLASS

1. T&S Wasylink	840
2. J&M Welker	364
3. M.Lastella	280
4. D.Han	210

## H/B RED CLASS

1. L.Wasserman	1008
2. T.Archbold	630
3. B.Wafle	196
4. D.Epple	168

## BREEDER MALE CLASS

1. M.Lastella	840
2. L.Wasserman	700
3. F.Orteca	560
4. G.Parrish	490

## BL/GREEN FEMALE

1. J.Horan	294
2. D&M Crabtree	126
3. A&V Gonzalez	98
4. A.Kovacs	70

## GOLD FEMALE

1. D.Saurers	280
2. T.Barchalk	70
3. A.Kovacs	56
4. T.Lobello	42
4. T&S Swatkowski	42

## PURPLE CLASS

1. G.Parrish	1162
2. T&P Allen	826
3. D.Hayden	126
4. B.Hditt	84

## YELLOW CLASS

1. B.McGovern	672
2. G.Parrish	448
3. J.Wolcott	210
4. T&S Wasylink	168

## SWORDTAIL CLASS

1. J.Horan	1138
2. J.P.Schroeder	672
3. L.Allen	238
4. D.Saurers	182

## H/B PASTEL CLASS

1. G.Parrish	1064
2. T&S Swatkowski	336
3. J&M Walker	238
4. F.Jamiol	168

## BREEDER FEMALE CLASS

1. E.Golimowski	966
2. A.Kovacs	252
3. D&L Grigg	210
4. D&M Crabtree	168

## RED FEMALE

1. D.Polunas	252
2. E.Golimowski	210
3. M&H Jinkerson	70
4. A.Ahrenholz	28
4. J&S Woodruff	28

## BLACK FEMALE

1. A&V Gonzalez	210
2. H. Coren	168
3. B&J Felinski	56
4. D&M Crabtree	56

## SNAKESKIN CLASS

1. G.Parrish	1190
2. J.Zelk	1134
3. W&M Brandeberry	560
4. M.Regent	280

## BRONZE CLASS

1. J&M Walker	826
2. R. Yater	462
3. L.Wasserman	406
4. B&E Brunton	126

## H/B AOC CLASS

1. M.Lastella	840
2. L.Wasserman	448
3. D&M Crabtree	308
4. G.Pauly	168
4. J.Rezutka	168

## H/B BLUE CLASS

1. M.Lastella	616
2. G.Wachter	378
2. T&S Swatkowski	378
4. B.Hazzard	266

## H/B FEMALE CLASS

1. T.Archbold	280
2. M.H. Jinkerson	266
3. B.Puckett	112
4. D&M Crabtree	70
4. A.Kovacs	70

## AOC FEMALE

1. E.Golimowski	238
2. J.Horan	126
3. M&M Golimowski	56
4. D&M Crabtree	42
4. B.Hanna	42

## ALBINO FEMALE

1. T&S Wasylink	448
2. D.Han	42
3. T.Barchalk	28
4. -----	

## STANDINGS.....

## FEMALE GRAND

1. E.Golimowski	980
2. A&V Gonzalez	420
3. M&H Jinkerson	350
4. J. Horan	245
4. A. Kovacs	245
6. T.Archbold	210
6. D&M Crabtree	210
6. D&L Grigg	210
6. T&S Wasylink	210
10. F. Frosch	140
10. J. Helgers	140
10. R. Puckett	140
10. D. Saurers	140

## MALE GRAND

1. G.Parrish	3995
2. L.Wasserman	3220
3. M.Lastella	2450
4. R. Szydlak	1190
5. S. Shubel	1015
6. J&M Walker	910
7. J. Horan	770
7. F. Orteca	770
9. T&S Wasylink	700
10. R. Yater	490

## PROFILE ON THE EXPERTS.....

## TED LOBELLO

Our second profile for May is focused on Ted Lobello. Ted has been a member of Guppy Associates International of Chicago since 1971. He has served as publicity chairman in IFGA for several years. As publicity chairman Ted sees to it the clubs hosting shows receive publicity in such national magazines as T.F.H., Aquarium News, etc. He did such a good job publicizing MVGA's show that we even gained a new member with the possibility of a couple more yet to come.

Ted and his wife, Gerrie, have two children. They live in Orland Park, a suburb of Chicago.

The two strains of guppies Ted raises, snakeskins and golds, have to share the 56 tanks with angels, catfish, and swordtails. Although I'll bet the guppies, especially the snakeskins, get the lion's share.

Ted attends most of the Midwest's shows but exhibits in about ten a year throughout the country.

Ted has very specific breeding techniques which he uses to arrive at his prize winning fish. He selects two females and one male per 2½ gallon tank. The 2 females are usually related (sisters) so that the offspring are also related.

The fry are kept in another 2½ gallon tank for 3 weeks before being moved to a 10 gallon tank. The tanks are marked with black marker as to the strain and generation.

Culling is heavy from the 4th thru the 10th week. After the 10th week, fish are moved to a 20 gallon long for "finishing". The 20 gallon tanks are on the lower level so the water temperature is cooler allowing for slightly slower finishing while still





# PROFILE.....

having fish ready to show from two months.

Breeders are selected between the 12th and the 16th week primarily for size, secondarily for color, and thirdly for finnage. With the current judging point system, Ted feels this is the best criteria for selecting prize winning fish. And he must be doing something right because since he began showing in 1971, Ted has placed in the final standings several times.

Show Chairman, be sure to send Ted the information (dates, locations, show chairman, etc.) on your show. He does a really good job but it isn't done automatically.....you have to send him the information first.

\*\*\*\*\*

## EDITORIAL FEEDBACK.....

by George Chin

Agree with you 100% on your March 1977 editorial on mail order guppy. Having been a victim myself several times I appreciate your message.

\*\*\*\*\*

## IFGA SANCTIONED POINT SHOWS FOR 1977

Guppy Associates of Lafayette.....April 2-3  
Maumee Valley Guppy Association.....April 16-17 Meeting  
New England Guppy Associates.....April 30-May 1  
Guppy Associates of Greater Cleveland.....May 14-15  
East Coast Guppy Club.....June 11-12 Seminar  
Gateway Guppy Club.....June 25-26  
Sacramento Guppy Breeders Association.....July 30-31  
Northeastern Indians Guppy Association.....Aug. 13-14 Meeting  
Madison Aquarium Club.....Sept. 10-11  
Bay Area Guppy Club.....Oct 8-9  
Guppy Associates of Chicago.....Nov. 4-5-6 ANNUAL MEETING

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## BY THE WAY.....

Do not feed your fish for two days prior to either shipping them or showing them in a fish show. It will help prevent the fish from fouling the small amount of water in its shipping bag and will make the fish livelier and more alert in a show, and that's worth points.

FROM "FIN FEATURES"

\*\*\*\*\*

## EAST COAST GUPPY ASSOCIATION

2nd ANNUAL SHOW

7 POINT IFGA SANCTIONED

June 11-12, 1977

LOCATION: Kings Grant Motor Inn, Plainview, New York  
at Exit 46 on the long Island Expressway

SCHEDULE: Saturday, June 11      Sunday, June 12  
9:30 AM Benching      8:30 AM Judging  
1:00 PM Judging Seminar      12:00 Noon Open to the public  
5:00 PM Benching Closes      1:00 PM Awards  
6:30 PM Buffet      2:00 PM Auction  
8:00 PM Judging Tests      2:30 PM Debenching

## GENERAL RULES:

1. All entries must be registered by 5:00 PM sharp on Saturday June 11, 1977. No exceptions will be made.
2. Exhibitors will determine class of fish. However, assistance will be available at time of entry, if needed.
3. All entries improperly classified will be disqualified.
4. No gravel, greens, or decorative items will be used.
5. ECGA assumes no responsibility for any loss of fish. However, every precaution will be taken against loss.
6. All entries must have been born and raised in the exhibitors tanks.
7. Fish will be judged with uniform black background throughout. Lighting will be overhead fluorescent.
8. Judging will be according to IFGA standards. All decisions will be final.
9. All entry fees must be prepaid.
10. Exhibitors should indicate on entry form if they want their fish to be auctioned. Twenty-five percent of auction proceeds will be retained by ECGA.
11. Fish will not be removed until 2:30 PM on Sunday at which time a member of ECGA will return the fish to the exhibitor.
12. All tanks and bowls necessary to exhibit fish will be supplied by ECGA.

## ENTRIES:

1. Single Entries: Single male entries will be shown in 1/2 gallon drum bowls, 3/4 filled with water. A female may be added but will not be judged. Single female entries will also be shown in 1/2 gallon drum bowls 3/4 filled with water. ENTRY FEE: \$1.00
2. Tank Entries: To consist of 2 matched males shown in 1 1/2 gallon containers. One female may be added but will not be judged. ENTRY FEE: \$2.00
3. Breeder Males: To consist of 5 matched males shown in 2 gallon tanks. Two females may be added but will not be judged. ENTRY FEE: \$3.00
4. Breeder Females: To consist of 3 matched females shown in 2 gallon tanks. ENTRY FEE: \$3.00
5. Novice Class: Open to anyone that has not won a first place in IFGA competition.

# ECGA RULES.....

AWARDS: Singles: 1st Place-placques; 2nd, 3rd, 4th- award cards  
Tanks: 1st Place-placques, 2nd, 3rd, 4th- award cards  
Breeder: 1st, 2nd, 3rd, 4th- placques  
Best of Show: 1st, 2nd, 3rd, 4th- placques

## SHIPPED IN ENTRIES:

1. All shipped in entries must be received by Thursday, June 9, at 6:00 PM
2. Correct return postage must accompany shipment or fish will be auctioned.
3. Air mail packages should be shipped to: Frank Jamiol, 386 Arnold Ave., West Babylon, NY, 11704.
4. Send Air Freight to New York LaGuardia Airport. Mark cartons: Call on arrival, Mike Lastella, 212-658-6699.

## CLASSES:

TANK	DELTA	VEIL	FEMALE
Red	Red	Red	Red
Blue	Blue	Blue	Blue/Green
Green	Green	Green	Black
Black	Black	Black	Gold
Multi	Multi	Multi	Albino
AOC	AOC	AOC	AOC
Purple	Purple	Purple	H/B AOC
H/B Red	H/B Red	H/B Red	Novice
H/B Blue	H/B Blue	H/B Blue	
H/B Pastel	H/B Pastel	H/B Pastel	<u>COMBINED</u>
H/B AOC	H/B AOC	H/B AOC	Yellow
Red Bicolor	Red Bicolor	Red Bicolor	Bronze
Blue Bicolor	Blue Bicolor	Blue Bicolor	Albino
Green Bicolor	Green Bicolor	Green Bicolor	Gold
AOC Bicolor	AOC Bicolor	AOC Bicolor	Swordtail
Snakeskin	Snakeskin	Snakeskin	H/B Gold
Yellow			Novice
Gold	<u>BREEDER MALES</u>		
Albino	<u>BREEDER FEMALES</u>		
Bronze			
Swordtail			
H/B Gold			
Novice			

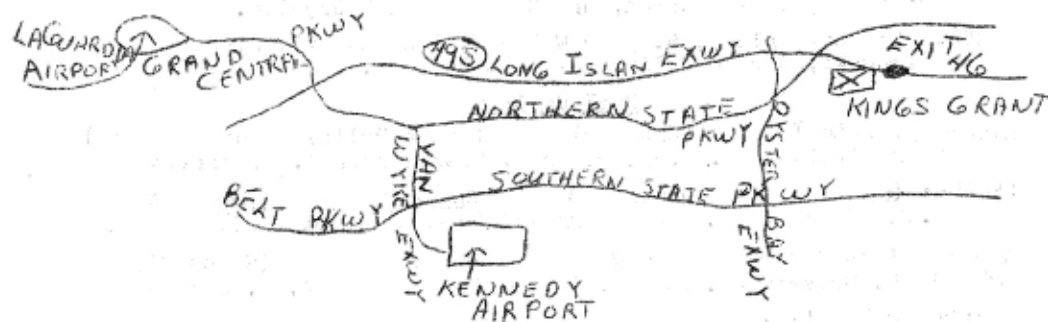
ACCOMMODATIONS: Room Reservations or further information may be made through Mike Lastella, 3340 Yost Blvd, Oceanside, NY, 11572. 516-766-3954. Rates are: Single-\$20.00; Double-\$25.00.

BANQUET: Tickets are \$8.00 and may be bought through Mike Lastella or at show time.

NOTE: Due to an unavoidable delay in getting the rules in the bulletin, please make reservations immediately.

SEE MAP NEXT PAGE.

# ECGA RULES.....



## EDITORIAL FEEDBACK

Dear Mr. Hanna,

I read with deep interest your editorial in the March IFGA Bulletin and I totally agree with your view point. I have bought a number of trios from top breeders and paid top prices, only to raise tanks of off breeds. It seems in my area others have had the same troubles. Following top breeders feeding, breeding, water changes, the whole outline right down the line, and still end in poor results. Do you wonder sometimes if they remember when they first started out in the hobby? After buying a \$35.00- \$50.00 trio and not getting good young, you write the breeder and you are told that his best strain in that color cost more, you wonder if you should start raising hamsters or rabbits. I have quit many times, but seem to keep trying again and again. I've known others who just plain quit.

It is very hard to get going in show guppies and if I ever make it I hope I never forget how hard it was for me. If I ever sell any guppies it will be my best and I will back them up. Making it hard for newcomers will destroy the guppy association. Most of us are in guppies for a hobby not blood or profit. For once a hobby become a profit it is not a hobby anymore. Maybe more editorials like yours will get the point across. I also think it would be a good idea to have workshops or lectures at all of the shows to help out new breeders. If new people are not added to any hobby the hobby fails. Is that what everyone wants?

Sincerely,  
Dellmar Hayden



GUPPY ASSOCIATES OF LAFAYETTE

APRIL 2-3, 1977

SHOW RESULTS

646 Entries

JUDGES: John Wolcott, Pop Morgan, Don Craft

ASS'T JUDGES: Jim Horan, Bill Orth, Ron Yater, John Zelk, J.P. Schroeder, Dellmar Hayden, Tom Allen, Ted Archbold, Tom Swatkowski, Bill Brunton, Jim Shaffer, Rich Szydluk.

OBSERVERS: Larry Allen, Stephen Wolford, Bob Puckett, Mike Golimowski, Harold Golimowski, Bob Becroft.

BEST OF SHOW

MALE: (Novice) (H/B Red) (Greed Delta) (Purple Delta)  
1. D. Croteau 2. L. Wasserman 3. L. Wasserman 4. G. Parrish

FEMALE: (AOC) (H/B Red) (Black) (H/B AOC)  
1. E. Golimowski 2. R&M Jinkerson 3. A&V Gonzalez 4. B. Puckett

TANK: (H/B Red) (Purple) (Blue) (Green Bi)  
1. L. Wasserman 2. G. Parrish 3. G. Parrish 4. F. Orteca

BREEDER MALE: (10)  
1. F. Orteca 2. L. Wasserman 3. M. LaStella 4. L. Wasserman

BREEDER FEMALES: (6)  
1. E. Golimowski 2. E. Golimowski 3. A. Kovacs 4. E. Golimowski

	TANK	DELTA	VEIL
RED:	1. A. Ahrenholz (4) 2. J&M Walker 3. J&M Walker 4. J&M Walker	1. Wasserman (14) L. Wasserman M. Marvin J&M Walker	J&M Walker (5) J&M Walker D. Craft J&M Walker
BLUE:	1. G. Parrish (9) 2. B&J Orth 3. D. Craft 4. J&J Magnifico	G. Parrish (9) L. Wasserman L. Wasserman J&J Magnifico	B&J Orth (4) B&J Orth J. Schroeder M. Wolford
GREEN:	1. L. Wasserman (7) 2. M. LaStella 3. L. Wasserman 4. L. Wasserman	L. Wasserman (8) L. Wasserman G. Parrish G. Parrish	M. LaStella (6) J&M Walker B. Hazzard J&M Walker
PURPLE:	1. G. Parrish (6) 2. G. Parrish 3. T&P Allen 4. T&P Allen	G. Parrish (13) G. Parrish R. Yater T&P Allen	T&P Allen (6) T&P Allen D. Hayden D. Hayden
BLACK:	1. L. Wasserman (3) 2. L. Wasserman 3. B&J Orth 4. -----	L. Wasserman (5) L. Wasserman B&J Orth B&J Orth	L. Wasserman (7) B&J Orth B&J Orth H. Coren

GAL RESULTS.....

	TANK	DELTA	VEIL
AOC:	1. B&J Orth (8) 2. B&J Orth 3. B&J Orth 4. R. Szydluk	E. Golimowski (12) E. Golimowski E. Golimowski E. Golimowski	D. Han (13) D. Han B&J Orth D. Han
MULTI:	1. J. Horan (5) 2. J. Horan 3. R. Szydluk 4. J. Horan	J. Horan (3) R. Szydluk M&M Golimowski -----	J. Horan (5) J. Horan R. Szydluk R. Szydluk
H/B RED:	1. L. Wasserman (9) 2. L. Wasserman 3. D. Epple 4. T. Archbold	L. Wasserman (21) L. Wasserman T. Archbold C. Price	L. Wasserman (8) T. Archbold M&H Jinkerson G. Shumard
H/B BLUE:	1. M. LaStella (2) 2. M. LaStella 3. ----- 4. -----	T&S Swatkowski (11) B. Waffle T&S Swatkowski A&V Gonzalez	M. LaStella (3) M. LaStella B. Hazzard -----
H/B Pastel:	1. G. Parrish (23) 2. G. Parrish 3. J. Wolcott 4. T&S Swatkowski	G. Parrish (29) G. Parrish D. Hayden V. Piteo	J&M Walker (21) F. Jamiol L. Wasserman J&M Walker
H/B AOC:	1. M. LaStella (8) 2. L. Wasserman 3. G. Pauly 4. L. Wasserman	M. LaStella (21) D&M Crabtree L. Wasserman M. LaStella	M. LaStella (10) J. Retzutka J. Retzutka M. LaStella
RED BI:	1. R. Szydluk (2) 2. R. Szydluk 3. ----- 4. -----	E&C Porter (9) J. Horan R. Szydluk C. Price	R. Szydluk (4) Disq. Disq. Disq.
GREEN BI:	1. F. Orteca (4) 2. B&J Orth 3. R. Szydluk 4. M. LaStella	E. Golimowski (2) B&J Orth ----- -----	R. Szydluk (3) D. Hayden D. Hayden -----
BLUE BI:	1. R. Szydluk (3) 2. R. Szydluk 3. R. Szydluk 4. -----	E. Golimowski (3) R. Szydluk R. Szydluk -----	M. LaStella (5) R. Szydluk B&J Orth R. Szydluk
AOCX BI:	1. M. LaStella (5) 2. R. Szydluk 3. J. Wolcott 4. R. Szydluk	R. Szydluk (6) B&B Felinski T&P Allen T&P Allen	D&M Crabtree (5) J. Wolcott R. Szydluk Disq.

## GAL RESULTS.....

	TANK	DELTA	VEIL
SOLID SNAKE:	1. G. Parrish (1) 2. ----- 3. ----- 4. -----	G. Parrish (5) G. Parrish Y. Lobello J. Zelk	J. Zelk (1) ----- ----- -----
VAR. SNAKE:	1. G. Parrish (7) 2. J. Zelk 3. J. Zelk 4. J. Zelk	B. Wafle (7) J. Zelk J&J Magnifico J. Zelk	J. Zelk (11) J. Zelk J. Zelk J. Zelk
BRONZE:	1. R. Yater (11) 2. G. Parrish 3. L. Wasserman 4. J&M Walker	R. Yater (16) B. Brunton B. Brunton L. Wasserman	J&M Walker (8) J&M Walker J&M Walker Disq.

	TANK	COMBINED
ALBINO:	1. M. LaStella (6) 2. J&M Walker 3. J&M Walker 4. J&M Walker	J&M Walker (5) J&M Walker E&C Porter J&M Walker
SWORDS:	1. L. Allen (14) 2. J. Horan 3. J&P Schroeder 4. J. Horan	J. Horan (19) J. Horan L. Allen J. Horan
GOLD:	1. R. Szydlak (2) 2. J. Thale 3. ----- 4. -----	T&S Wasylink (7) K&K Griep D. Saurers J. Thale
YELLOW:	1. B. McGovern (5) 2. G. Parrish 3. B. McGovern 4. B&J Orth	B. McGovern (13) M&H Jinkerson J. Wolcott R. Yater

	COMBINED
NOVICE: (21)	1. Denis Croteau 2. Gary Lucky 3. Larry Allen 4. Don Epple

	FEMALES
RED:	1. E. Golimowski (8) 2. E. Golimowski 3. E. Golimowski 4. D. Polunas
BL/GREEN:	1. J. Horan (8) 2. J. Horan 3. J. Horan 4. J. Horan

## GAL RESULTS.....

	FEMALES
BLACK:	1. A&V Gonzalez (13) 2. B&B Felinski 3. J&P Schroeder 4. A. Berg
AOC:	1. E. Golimowski (21) 2. M&M Golimowski 3. B. Hanna 4. L. Allen
H/B RED:	1. M&H Jinkerson (7) 2. M&H Jinkerson 3. T. Archbold 4. T. Archbold
H/B AOC:	1. R. Puckett (12) 2. M. Lehmann 3. A. Kovacs 4. T. Archbold
BRONZE:	1. J. Rezutka (7) 2. J. Rezutka 3. B. Brunton 4. B. Brunton
ALBINO:	1. T&S Wasylink (9) 2. T&S Wasylink 3. D. Han 4. T&S Wasylink
GOLD:	1. D. Saurers (12) 2. D. Saurers 3. T&S Swatkowski 4. C&S Wolford
NOVICE:	1. Denis Croteau (5) 2. Larry Allen 3. Matt Marvin 4. R. Puckett

\*\*\*\*\*

## CARE OF FRY

by Ross Graham

- 1. SIZE OF AQUARIUMS:** The dimensions of an aquarium are extremely important in effectively bringing a fish to maturity. If the aquarium is too small, the fish tend to become listless.. their appetites lessen due to lack of exercise and there is a real chance that they may become stunted. If it is too large (especially during the first 6 weeks) they have great difficulty in finding their food. My rule of thumb regarding tank size is:
  - a. Free swimming to 3 weeks- 4 oz of water per fish
  - b. 3 weeks to 2 months- 8 oz of water per fish
  - c. 2 months to 6 months- 1/2 gallon of water per fish
 Of course, these figures are very general. The important thing to remember is to give each fish enough space to stretch his fins, but not so much that he and his food have trouble meeting.
- 2. CONDITIONS OF AQUARIUMS:** We must be sure that each baby fish is brought up in clean water with the optimum amount of light and the right water temperature. My preference, generally, is for the use of a bare tank from the newborn to the 2 month stage. To my mind the biggest advantage of a bare tank is that you always know how much of the food given your young is actually eaten. Also, the micro worms, brine shrimp and other types of small live food remain continually accessible to the young for longer periods of time.
- 3. MAINTENANCE:** Maintenance is not only necessary, but essential to the health of growing young. Water changes and syphoning off of uneaten food and excreta are required on at least a



# CARE OF FRY.....

weekly basis. I begin water changes when the fish are 10 days old. Usually I start by changing 20% per week until the fish are 2 months old. Then, I change 50% of the water every 4-5 days. This allows me to keep a few more fish in a smaller amount of space than normal. Some authorities say that fish give off a 'growth inhibiting hormone' in their excreta, which, if allowed to build up in the water, will apparently stunt the fish.

4. **FEEDING:** Young fish require practically non-stop nutrition. During the first 6-10 days of their life you MUST attempt to meet this requirement. They can be trained to accept a regularly scheduled and varied diet. If you feed them every 3 hours one day, then once the next day and five times on the third day, you are asking for problems. When starting with brine shrimp, don't feed it a half hour before lights are turned out because most of it will be dead and uneaten in the morning. Micro worms feedings take place at night and provide food for them in the morning. As my fish grow I try to keep their little bellies full of food all the time. I use dry foods, beef heart, earth worms, daphnia, glass worms, mosquito larvae, white worms, tubifex, fairy shrimp and whatever else I can get my hands on.
5. **CULLING:** The laws of nature are cruel, cold and final. The weak and deformed are either eaten or destroyed by the strong. In this way nature protects its species from evolutionary extermination. We must replace nature in our aquariums and protect our fish similarly. Any baby fish which is even slightly deformed must be eliminated immediately.

Fish health is definitely a reflection of the quality of their environment and diet. Our children grow up and eventually fend for themselves, but our fish must be cared for forever.

reprinted from Montreal Aquar.  
Soc. Bulletin  
11/73

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Good  
Luck in  
Cleveland!

## IFGA POINT STANDINGS AS OF APRIL 5, 1977

RED CLASS		BLUE CLASS		GREEN CLASS	
	PTS		PTS		PTS
1. J&M Walker	742	1. G.Parrish	362	1. L.Wasserman	508
2. A.Ahrenholz	308	2. L. Wasserman	308	2. M.LaStella	406
3. L.Wasserman	126	3. B&J Orth	224	3. J&M Walker	308
4. J&S Woodruff	112	4. R. Headlee	196	4. G.Parrish	182
BLACK CLASS		MULTI CLASS		AOC CLASS	
	PTS		PTS		PTS
1. L.Wasserman	560	1. J. Horan	812	1. B&J Orth	700
2. B&J Orth	434	2. R&L Williams	252	2. D. Han	224
3. H.Coren	224	3. R.Szydlak	210	3. E.Golimowski	196
4. R.Yater	168	4. C.Varney	112	4. R. Szydlak	140
BICOLOR CLASS		PURPLE CLASS		SNAKESKIN CLASS	
	PTS		PTS		PTS
1. R.Szydlak	1890	1. G.Parrish	840	1. J.Zelk	882
2. J.Wolcott	392	2. T&P Allen	490	2. G.Parrish	742
3. M.Lastella	266	3. B.Hoitt	84	3. W&M Grandeberry	308
4. B&J Orth	252	4. D.Hayden	70	4. M.Regent	280
GOLD CLASS		YELLOW CLASS		BRONZE CLASS	
	PTS		PTS		PTS
1. T&S Wasylink	210	1. B.McGovern	364	1. J&M Walker	574
2. B&H Lapp	196	2. G. Parrish	308	2. L.Wasserman	266
3. D.Saurers	154	3. J.Wolcott	210	2. R.Yater	266
4. R.Szydlak	140	4. T&S Wasylink	98	4. B&E Brunton	126
4. J. Thale	140				
ALBINO CLASS		SWORDTAIL CLASS		H/B AOC CLASS	
	PTS		PTS		PTS
1. T&S Wasylink	784	1. J. Horan	784	1. M.Lastella	560
2. B.Han	210	2. J.P.Schroeder	508	2. L.Wasserman	308
3. M.Lastella	140	3. L.Allen	182	3. D&M Crabtree	266
4. E&C Porter	42	4. D.Saurers	84	4. M.Regent	154
H/B RED CLASS		H/B PASTEL CLASS		H/B BLUE CLASS	
	PTS		PTS		PTS
1. L.Wasserman	546	1. G.Parrish	812	1. M.Lastella	532
2. T.Archbold	448	2. J&M Walker	238	2. G. Wachter	378
3. B.Wafle	168	3. T&S Swatkowski	84	3. B.Hazzard	168
4. S.Shubel	98	4. J.Wolcott	84	4. T&S Swatkowski	112
BREEDER MALE		BREEDER FEMALE		H/B FEMALE	
	PTS		PTS		PTS
1. L.Wasserman	700	1. E.Golimowski	672	1. T.Archbold	224
2. M.Lastella	560	2. A.Kovacs	252	2. M&H Jinkerson	126
3. F.Orteca	350	3. D&M Crabtree	168	3. A.Kovacs	70
3. G.Parrish	350	4. J&S Woodruff	84	4. R.Puckett	70
BLUE/GREEN FEMALE		RED FEMALE		AOC FEMALE	
	PTS		PTS		PTS
1. J.Horan	238	1. E.Golimowski	210	1. J.Horan	126
2. D&M Crabtree	84	2. D.Polunas	154	2. E.Golimowski	70
3. A.Kovacs	70	3. A.Ahrenholz	28	3. M&M Golimowski	56
4. -----	--	4. -----	--	4. D&M Crabtree	42
				4. B.Hanna	42

## STANDINGS.....

GOLD FEMALE	PTS	BLACK FEMALE	PTS	ALBINO FEMALE	PTS
1. D.Saurers	154	1. H. Coren	168	1. T&S Wasylink	280
2. T.Barchalk	70	2. A&V Gonzalez	70	2. D. Han	42
3. A.Kovacs	56	3. B&B Felinski	56	3. -----	--
4. T.Lobello	42	4. J.P.Schroeder	42	4. -----	--
4. T&S Suatkowski	42				

## FEMALE GRAND

1. E.Golimowski	735
2. J.Horan	245
2. A.Kovacs	245
4. T.Archbold	210
4. M&H Jinkerson	210
6. A&V Gonzalez	175
7. F. Frosch	140
7. R.Puckett	140
7. T&S Wasylink	140
10. T.Barchalk	70
10. H.Coren	70
10. D.Croteau	70
10. D.Polunas	70
10. J.Rezutka	70
10. D.Saurers	70

## MALE GRAND

1. G.Parrish	2945
2. L.Wasserman	2065
3. M.Lastella	1680
4. R.Szydlak	840
5. J&M Walker	700
6. F.Ortega	630
7. J.Horan	560
8. T&S Wasylink	490
9. J.Wolcott	350
9. R.Yater	350

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The following people are qualified to act as assistant judges under the new ruling which requires that assistant judges must have passed either the written or the visual portion of the judging test.

Pat Allen	Leon Morrison
Ted Archbold	Bill Orth
Tom Allen	E.B. Porter
Elvis Bryant	Janet Parrott
Bill Brandeberry	Ken O'Mara
David Grigg	Clint Price
Wm Gommel Jr.	Joe Rosenberry
Barbara Hirth	Rich Rezutka
Jim Horan	J.P. Schroeder
J.G. Horan	Steve Somermeyer
Darrell Johnson	Glenn Wachter
Herb Lapp	Terry Wasylink
Ted Lobello	Robert Williams
Alex Kovacs	Jim Woodruff
Al Mueller	Keith Woods
	Ron Yater

If you feel an error has been made and your name should not be on this list, please notify the judging board. Also if you feel your name was omitted in error.

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## 1977 ANNUAL TROPHY SPONSORSHIP

## CLUB/INDIVIDUAL

Baltimore Guppy Club
Columbus Ohio Guppy Specialists
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Gateway Guppy Associates
" " "
Guppy Associates of Chicago International
" " " " "
Guppy Associates of Greater Cleveland
Guppy Associates of Milwaukee
Guppy Associates of Toronto
Houston Guppy Club
East Coast Guppy Club
Indianapolis Guppy Breeders
Maumee Valley Guppy Association
Midwest Guppy Club
Northeastern Indiana Fancy Guppy Association
Northern Ohio Guppy Specialists
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Potomac Valley Guppy Club
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Lafayette Guppy Breeders
John Wolcott
T&P Allen
Harold Morgan
T&S Wasylink

## TROPHY

Red Female
Bronze
Black
H/B Pastel
AOC Female
Gold
Gold Female
Breeder Female
AOC
Blue
Red
Albino
H/B Red
Multi
Breeder Male
Purple
H/B AOC
Snakeskin
H/B Blue
Swordtail
Bl/Green Female
Yellow
Green
H/B Female
Albino Female
Black Female

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## PROFILE ON THE EXPERTS.....

## LOU WASSERMAN

I am certain that anyone breeding show guppies is familiar with this month's expert. His name appears so many times in the final standings that it would take a whole page to list them. Let it suffice to say that Lou Wasserman is a winner!!

Louis and his wife Joan live in Hollywood, Florida with their children.

Lou doesn't attend any of the IFGA Shows in person, however, he always sends a good number of entries to each show.

Since he has a grand total of 454 tanks, it's easy to see why he isn't able to attend the shows or belong to a guppy Club. It really surprises me that he has time for anything else.

The Wassermans raise 20 different color strains of fancy guppies. Half Black Reds rank as Lou's number one favorite, though. Lou has been showing, and I might add winning, since 1971. With all that





# PROFILE.....

experience breeding and showing it's easy to understand how he could write his new book, "How To Raise Show Guppies", a TFH book. The book could serve a beginner very well as the information and photos are really excellent.

Watch for Lou's name in the standings....It'll be there!!!!

## GATEWAY GUPPY ASSOCIATES

### 7 POINT SHOW

JUNE 25-26, 1977

LOCATION: Holiday Inn North, 4545 N. Lindbergh Blvd, St. Louis, Missouri, 63044

#### GENERAL RULES:

1. All entries must be registered by 4:00 PM sharp, St. Louis time June 25, 1977.
2. Judging will begin at 5:30 PM June 25, 1977 by a group of judges who will visually judge all entries according to IFGA standards.
3. The exhibitor must determine the class of competition in which his entry is to be exhibited. However, assistance in classification will be available at the time of registration. All entries improperly entered will be disqualified and will not be judged.
4. Every precaution will be taken against loss of fish, but GGA cannot assume responsibility for loss or hazard.
5. Fish will not be removed from the show until awards have been presented at which time a member of GGA will remove fish from the show area and return to the exhibitor.

**SINGLE ENTRIES:** All entries are to be exhibited in 1/2 gallon drum bowls 3/4 filled with water. No gravel, greens, or decoration may be used. One female is optional but will not be judged. Bowls will be available at no charge.

**DOUBLE ENTRIES:** An entry will consist of 2 matched males. One female may be added but will not be judged. Entries will be exhibited in 1 1/2 gallon tanks to be furnished free of charge.

**3 MATCHED FEMALES:** Entries to be exhibited in 1 1/2 gallon tanks to be furnished free of charge. All entries to be judged as one class.

**BREEDER CLASS:** An entry will consist of 5 matched males. Two females may be added but will not be judged. Entries will be exhibited in 5 gallon aquariums to be furnished free of charge. All entries will be judged as one class.

**NOVICE CLASS:** Novice classes are open to those who have never won a first place in open competition.

**LIGHTING:** Lighting will be overhead incandescent.

# GGA RULES.....

**ENTRY FEES:** Single entries-\$1.00; Tank entries-\$2.00; Breeders-\$3.00

**AWARDS:** Singles: Trophy-1st place, Award cards- 2nd, 3rd, 4th  
Breeders: Trophy-1st, Rosettes-2nd, 3rd, 4th; Best of Show-Trophy-1st place, Rosettes-2nd, 3rd, 4th.

**AUCTION:** An auction will conclude the show. Exhibitors wishing to have their entries sold by auction should so specify when registering in the space provided on the entry forms. 25% of all auction proceeds will be retained by GGA.

#### SHIPPED IN ENTRIES:

1. All shipped in entries must be received by 6:00 PM Thursday, June 23, 1977.
2. Ship AIR MAIL SPECIAL DELIVERY to: Jim Thale, #11 Kathey Drive, Fenton, Missouri, 63026.
3. Ship Air Freight to: Everett Gold, 9460 Harold Drive, Woodson Terrace, Missouri, 63134. MARK CARTONS: CALL ON ARRIVAL- 428-2661. If no answer call 644-3812.
4. All shipping charges must be prepaid along with return fare. No collect shipments will be accepted. All fish shipped without return fare will be auctioned.

#### CLASSES:

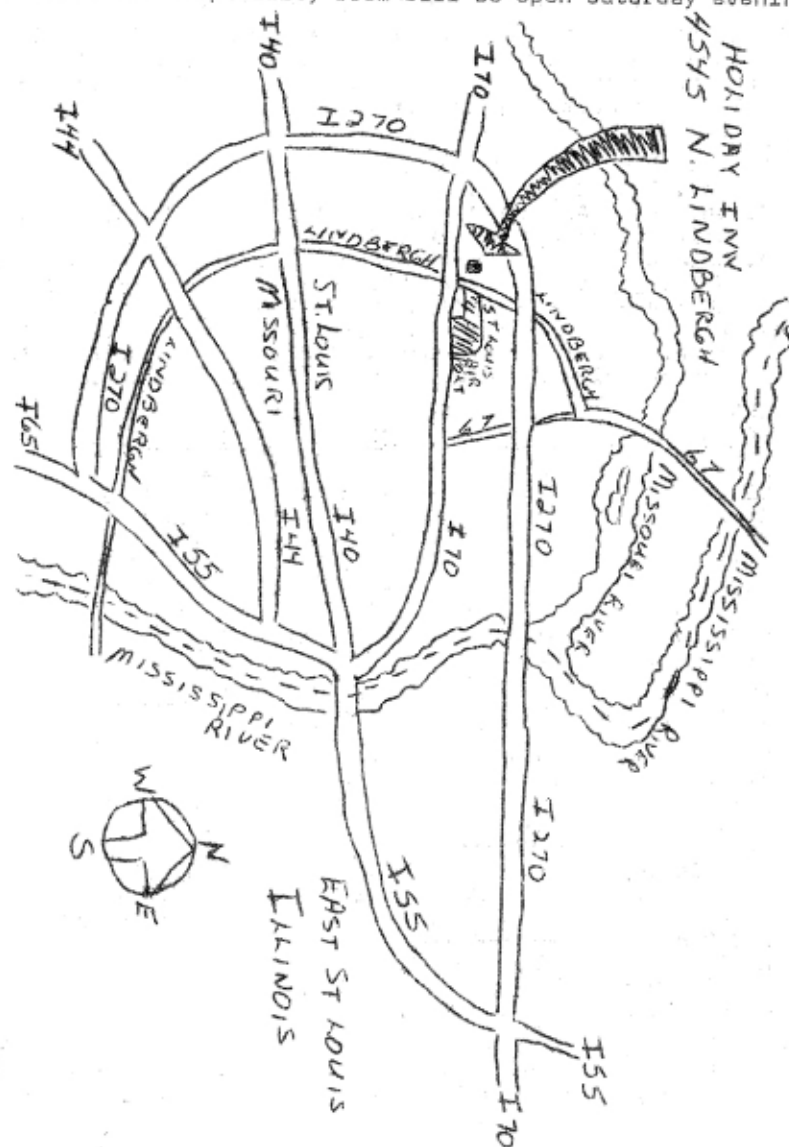
TANKS	DELTA	VEIL	FEMALE
Red	Red	Red	Red
Blue	Blue	Blue	Blue/Green
Green	Green	Green	Black
Black	Black	Black	AOC
Multi	Multi	Multi	H/B Red
AOC	AOC	AOC	H/B AOC
H/B Red	H/B Red	H/B Red	Gold
H/B Blue	H/B Blue	H/B Blue	Novice
H/B Pastel	H/B Pastel	H/B Pastel	Albino
H/B AOC	H/B AOC	H/B AOC	
Yellow	Yellow	Yellow	<u>COMBINED</u>
Snakeskin	Snakeskin	Snakeskin	Red Bicolor
Purple	Purple	Purple	Blue Bicolor
Bronze	Gold	Gold	Green Bicolor
Gold	Novice	Novice	AOC Bicolor
Novice			Albino
H/B Gold	<u>BREEDERS</u>		Bronze
Red Bicolor	5 Matched Males		H/B Gold
Blue Bicolor	3 Matched Females		Single Sword
Green Bicolor			Double Sword
AOC Bicolor	<u>ENTRY FEES</u>		
Albino	Singles- \$1.00		
Single Sword	@ Matched Males-\$2.00		
Double Sword	Breeders-\$3.00		

**ACCOMMODATIONS:** A block of rooms has been set aside for persons coming to the show. Contact Paul Powell, Jr. 314-644-3812 or Glen Pauly-314-544-3659 and we will make your reservation.

# GGA RULES.....

By mail send to Paul Powell, Jr., 1211 Claytonia Terrace, Richmond Heights, Missouri, 63117. If you contact Holiday Inn North direct, BE SURE TO MENTION YOU ARE WITH THE GUPPY SHOW TO RECEIVE THE SPECIAL RATE.

HOSPITALITY: The hospitality room will be open Saturday evening.



## HOW TO WIN THE FEMALE GRAND TROPHY

by Rich Szydluk

Winning the Female Grand Championship is really not that hard. The key to it is having a good strain of Half Blacks. With a good strain of half-blacks you can cross them into a red strain to improve on the dorsal size of your reds along with their body size. This could also help improve your half-blacks females which can be entered in either the H/B AOC or H/B Red female class.

I've crossed H/B Red females into Blues and have gotten some good results. It's helped on the size of the blue females plus whatever washed out H/B females I've gotten I've entered them into the AOC class and even the blue class.

Half-blacks, then, play a major role in winning the grand championship because they are your biggest females with the longest dorsals and the best body color. They make for your best Breeder Female entry. At the time I was showing females, the breeder females were usually won by a half-black. A first in breeder females gives you 210 points towards Female Grand. That's like taking 1st Best of Show in the singles, which, incidentally, usually goes to a H/B due to their body size, color, large flowing dorsals and male type caudals.

The only difference between breeding females for show instead of males is that you cull most of your males. You follow the same rules with tank maintenance, etc. as for males. I always kept between 20 and 25 females in a 20 gallon tank- any more and you crowd them plus the tank becomes polluted.

Keeping males with the females can help you or hurt you. On singles, if a female is pregnant she'll look a little bigger. If she is too near her 28 days she'll drop young possibly and look hollow-bellied or even worse, die. On three matched females, you're better off not keeping males in the tank with the females since it's a lot harder matching three females if only half of them are pregnant.

I did not start showing my females until they were at least 9 months old and then usually in the 3 matched females class. As they hit the year mark, any that were bigger in body and caudal I'd show them in singles. Most of my females would be in show condition till they were about 18 months old. The oldest I ever had a show female is 25 months. Two weeks prior to her death she won 1st Best of Show on a California Show. However, condition of your fish depends a lot on how well host clubs handle them. I've had 9 month old fish which had to be dumped because of the poor care at distant shows.

If a person really wants to win this award, he must go at it with vigor by sending 4 entries in each class he has females and 4 entries in breeders. I've never believed in going at it half-heartedly. I've seen people hold back their best fish for fear of losing them. In the mean time they do poorly at the show and their good fish sitting at home either jumps out of the tank or dies. I've known other people who try to win an award as cheaply as possible so they hold back and only send a couple fish in



# HOW TO WIN.....

in the class they're trying to win. One fellow I know had about a 600 point lead with about six shows to go. He figured he didn't have to ship to those next two shows. Well, at the end of the nine shows he had dropped to 3rd in the class.

Another mistake people make is to brag about how good their fish are and how they are going to win a championship. This only makes other people try harder.

reprinted from Guppy Talk  
2/77

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## MAUMEE VALLEY GUPPY ASSOCIATION

April 16-17, 1977 7 Point Show 694 Entries

JUDGES: Stan Shubel, Pop Morgan, Ethel Shubel, Don Craft, Don Saurers, Dave Crabtree, John Wolcott, Sue Hull, Andy Hull, Earl Hanson, Joe Rezutka, Dennis Hirth

ASS'T JUDGES: Clint Price, Terry Wasylink, Joe Rosenberry, Bill Brandeberry, Jim Woodruff, David Grigg, Ted Lobello, Alex Kovacs, Jim Horan, Bill Orth, Ron Vater, Emery Mann, Tom Allen, Al Mueller, Joe Hessling, Bob Hanna

OBSERVERS: Harold Jinkerson, Mike Jinkerson, Rod Pontau, Jim Brown, Robert Hanna, Betty Hanna, Bob Puckett, Larry Allen, Ralph Case, Steven Suatkowski, James Horan, Mike Behmer, Nancy Carden, Ray Carden, Terry Barchalk, Duane Gettings, Viola Golimowski, Tom Moore, Allan Eddy, John Helgers, Frank Jamiol, Vic Piteo, Mike Lastella, Bob Becroft, Jacques Kovacs.

## BEST OF SHOW

MALE: (Green Delta) (Purple Delta) (Blue Delta) (Snake-Sol)  
1. L.Wasserman 2. G.Parrish 3. S.Shubel 4. G.Parrish

FEMALE: (AOC) (H/B AOC) (Bl/Green) (Novice)  
1. E.Golimowski 2. D&M Crabtree 3. A&V Gonzalez 4. John Helgers

TANK: (Blue) (Green) (H/B AOC) (Red)  
1. S.Shubel 2. L.Wasserman 3. M.Lastella 4. J&S Woodruff

BREEDER  
MALES: 1. S.Shubel 2. M.Lastella 3. F.Orteca 4. G.Parrish

BREEDER  
FEMALE: 1. D&L Grigg 2. E.Golimowski 3. E.Golimowski 4. T. Barchalk

	TANK	DELTA	VEIL
REG:	1. J&S Woodruff (14)	A.R. Mueller (14)	J&M Walker (10)
	2. M. Behmer	J&S Woodruff	T&S Wasylink
	3. J&M Walker	J&S Woodruff	J&S Woodruff
	4. A. Ahrenholz	A. Ahrenholz	A.R. Mueller

# MVGA RESULTS.....

	TANK	DELTA	VEIL
BLUE:	1. S.Shubel (14) 2. G.Parrish 3. S.Shubel 4. B&H Lapp	S.Shubel (21) S.Shubel B&H Lapp B&H Lapp	B&J Orth (10) B.Hanna B&J Orth L. Allen
GREEN:	1. L.Wasserman (8) 2. L.Wasserman 3. M.Lastella 4. G.Parrish	L.Wasserman (15) M.Lastella B.Hazzard D.Hayden	M.Lastella (13) B.Hanna R.Vater B.Hazzard
BLACK:	1. L.Wasserman (3) 2. L.Wasserman 3. B&J Orth 4. -----	L.Wasserman (4) L.Wasserman B&J Orth H.Coren	L.Wasserman (8) B&J Orth B&J Orth B&J Orth
MULTI:	1. R.Szydluk (2) 2. R.Szydluk 3. R.Puckett 4. J.Horan	R&L Williams (13) D&L Grigg J.Horan R.Szydluk	R.Szydluk (7) R.Szydluk R&L Williams J.Horan
PURPLE:	1. G.Parrish (6) 2. G.Parrish 3. T&P Allen 4. T&P Allen	G.Parrish (14) T&P Allen H&C McCorkle J.Rezutka	T&P Allen (9) D.Hayden T&P Allen T&P Allen
AOC:Z	1. B&J Orth (8) 2. B&J Orth 3. D.Han 4. B&J Orth	E.Golimowski (7) D. Han E.Golimowski E.Golimowski	D.Han (10) B&J Orth D.Han B&J Orth
H/B RED:	1. L.Wasserman (5) 2. L.Wasserman 3. D.Epple 4. T.Archbold	L.Wasserman (20) L.Wasserman L.Wasserman M&H Jinkerson	T.Archbold (8) T.Archbold L.Wasserman B.Wafle
H/B BLUE:	1. T&S Swatkowski (4) 2. M.Lastella 3. M.Lastella 4. J.Wolcott	M.Lastella (10) B.Wafle J.Wolcott T&S Swatkowski	T&S Swatkowski (9) B.Hazzard B.Hazzard T&S Swatkowski
H/B PASTEL:	1. G.Parrish (8) 2. T&S Swatkowski 3. T&S Swatkowski 4. T&S Swatkowski	G.Parrish (12) V.Piteo G.Parrish L.Wasserman	F.Jamiol (8) F.Jamiol D.Hayden J.Wolcott
H/B AOC:	1. M.Lastella (10) 2. L.Wasserman 3. M.Lastella 4. G. Pauly	T.Barchalk (12) M.Lastella D&M Crabtree L.Wasserman	J.Rezutka (9) A&S Hull A&S Hull R.Case

## MVGA RESULTS.....

	TANK	DELTA	VEIL
RED BI:	1. R.Szydlak(9) 2. R.Szydlak 3. A.R.Mueller 4. D.Weinzerl	E&C Porter (14) E&C Potter A.R.Mueller B.Wafle	A.R.Mueller(13) M.Behmer L.Allen D.Craft
BLUE BI:	1. T&S Wasylink(5) 2. R&L Williams 3. R.Szydlak 4. R.Szydlak	E.Golimowski(6) R.Szydlak J.Wolcott R.Szydlak	M.Lastella (8) R.Szydlak B.Hanna R.Szydlak
GREEN BI:	1. F.Orteca(4) 2. B&J Orth 3. R.Szydlak 4. R.Szydlak	M.Lastella(6) F.Orteca E.Golimowski L.Allen	D.Hayden(6) D.Hayden T.Barchalk R.Szydlak
ADC BI:	1. D.Han(7) 2. R.Szydlak 3. R.Szydlak 4. T.Barchalk	T&P Allen (15) D.Han M.Lastella A.R.Mueller	E&C Porter (5) D&M Crabtree R.Szydlak Disq.

	TANK	COMBINED
SNAKESKIN SOLID:	1. W&M Brandeberry(3) 2. G.Parrish 3. W&M Brandeberry 4. -----	G.Parrish(8) G.Parrish B.Hanna W&M Brandeberry
SNAKESKIN VAR.:	1. G.Parrish (5) 2. J.Zelk 3. J.Zelk 4. J.Zelk	G.Parrish (24) K.Morrissey R&L Williams J&J Magnifico
BRONZE:	1. R.Yater (9) 2. L.Wasserman 3. J&M Walker 4. J&M Walker	J&M Walker (10) R.Yater J&M Walker L.Wasserman
ALBINO:	1. M.Lastella(9) 2. J&M Walker 3. J&M Walker 4. T&S Wasylink	J&M Walker (10) J&M Walker J&M Walker E&C Porter
GOLD:	1. B&H Lapp (10) 2. T&S Wasylink 3. T&S Wasylink 4. Disq.	B&H Lapp (10) B&H Lapp B&H Lapp B&H Lapp
SWORDTAIL:	1. J.Horan (8) 2. J.Horan 3. J.P.Schroeder 4. L.Allen	J.Horan (10) D.Saurers D.Saurers J.Horan

## MVGA RESULTS.....

	TANK	COMBINED
YELLOW:	1. G.Parrish (5) 2. B.McGovern 3. B.McGovern 4. B.McGovern	1. T&S Wasylink (12) B.McGovern R.Yater R.Case

NOVICE COMBINED
1. Matt Marvin (17) 2. Jose Ortega 3. Jose Ortega 4. Duane Gettings

FEMALES	
RED:	1. M&H Jinkerson(10) 2. D. Polunas 3. D. Polunas 4. J&S Woodruff
BL/GREEN:	1. AV Gonzalez (13) 2. J. Horan 3. D&M Crabtree 4. A&V Gonzalez
BLACK:	1. A&V Gonzalez(11) 2. D&M Crabtree 3. A&V Gonzalez 4. A&V Gonzalez
AOC:	1. E.Golimowski(12) 2. E.Golimowski 3. E.Golimowski 4. D&L Grigg
H/B RED:	1. M&H Jinkerson (7) 2. T.Archbold 3. M&H Jinkerson 4. M&H Jinkerson
H/B AOC:	1. D&M Crabtree (9) 2. R&L Williams 3. R. Puckett 4. B.Hanna
ALBINO:	1. T&S Wasylink (5) 2. T&S Wasylink 3. T&S Wasylink 4. T.Barchalk
GOLD:	1. D.Saurers (17) 2. D.Saurers 3. B.McGovern 4. T&S Wasylink
NOVICE:	1. John Helgers (7) 2. John Helgers 3. Matt Marvin 4. Walter Kontor

## COMBINED MEETING

by Herb Lapp

March 27th was a beautiful day on Maryland. A blue sky providing temperatures in the 70's found seventeen cars bringing 36 guppy enthusiasts to the Lapp's home in Ellicott City. The guest club of New Jersey and the host club of Baltimore held a combined meeting and bowl show. This was followed by an elaborate buffet supplied by Baltimore.

With New Jersey supplying the expertise, the Baltimore contingent absorbed much knowledge pertaining to their sponsoring



# COMBINED MEETING.....

A future IFGA Show. Besides being informative, the meeting's atmosphere was one of camaraderie.

A bowl show followed consisting of eight classes with a total of 54 entries. Best of Show went to the Lapp's with a Blue.

Since a good time was had by all a similar meeting is in future plans.

(EDITOR'S NOTE: While we are very happy to see that neighboring clubs are getting together, according to IFGA policy we can not print show results.)

\*\*\*\*\*

## FISH DOCTOR- POOR DIETS

by John Bertelli

This month I would like to cover some of the problems that can occur because of a poor diet. Some of these metabolic disorders may be: gastritis, enteritis, and the old disorders. Vitamin deficiency and fatty infiltration of the internal organs are very common.

Fatty infiltration of the internal organs is more common in the aquarium than in nature. In nature, breeding usually takes place when an abundance of food is present and this is most likely during rainy seasons. The excess amount of food ingested at the time is used to speed up the growth of the gonads. But during this time there is still active competition for food and a spot within the environmental niche. There is energy spent just existing within the environment. The point is, in nature, fish are constantly expending energy. In the aquarium there is no true competition for food, due to the superabundance of food. Also there is relatively little movement in an aquarium compared to nature.

The fatty infiltration usually attacks the ovaries, intestines, liver, and the hepatic interstitial tissues. All of these contain many blood vessels. With the accumulation of excess fatty acids, the organs which are important to metabolic processes may degenerate and cause the death of the fish. Livers having a fatty infiltration will show a brownish-yellow color. Fish suffering from fatty degeneration are much more sensitive to infectious diseases than healthy fish. Another concern is that fish suffering from fatty infiltration are useless as breeding stock. This is because the activity of the gonads is inhibited by lipid degeneration. The danger of fatty infiltration in young fish is small, because the young fish are expending energy to the body building processes. But for adult fish, care should be taken to provide a more balanced diet as food is no longer used for body building and is stored as fat.

A monotonous diet of nutritious and easily digested food (tubifex) or dried foods will cause gastritis and enteritis. Inflammation of gastric and intestinal tracts can be caused by vitamin deficiencies and lack of one of the three basic food stuffs(carbohydrates, fats, and proteins). A particularly dangerous

# DIETS.....

disease is produced following the feeding of chironomid larvae or tubifex, collected from the mud waters contaminated by industrial pollution. This could contain toxic substances which severely damage or kill fish. The liver and the gastro-intestinal tract of the fish will show swelling and inflammation. In some cases it will even cause the scales to protrude even though there is no fluid build up in the abdominal cavity. It is always a good idea to thoroughly wash all live foods before introducing them to the aquarium. If the food doesn't satisfy the nutritional needs of the fish, they will develop a swollen stomach and diarrhea. To treat these conditions suspend feeding for about ten days and then offer small portions of live food. The best way is to avoid these disorders by beginning with a good diet.

There are specific vitamin deficiencies caused by the lack of vitamins A,B and D in the diet. The causes and effects of vitamin deficiencies are complex. All you need to do is feed a balanced diet. If you are into natural foods for fish, a combination of plankton(daphnia, copepods, etc.), algae, tubifex worms, and chironomids would be satisfactory. Fish should be fed a little bit at a time and frequently. This is more like natural ingestion of food. A once a day dry diet push should be avoided.

Another problem which is seen is a goiter. This is a hormonal disorder and as in humans is caused by a lack of iodine in the diet. The tumors usually appear as reddish inflammations or growths about the size of a pin head in the ventral part of the mouth. The condition can be reversed in some cases by the addition of iodine-potassium iodide solution to the aquarium. This consists of a mixture of iodine and potassium iodide in distilled water. The tumor will begin to shrink in size in about two weeks. This is not a big problem now as many commercially prepared foods and brine shrimp contain iodine.

Coming up with a balanced diet for fish is no problem or secret either. The commercially prepared foods have the contents listed on the package and a combination of different types of foods will meet most of the requirements. A little extra effort and the fish can enjoy beef heart, micro-worms, white worms, or fruit flies. This type of diet should insure some healthy and happy fish.

reprinted from Guppy Roundtable  
10/76

\*\*\*\*\*

BY THE WAY.....

THOSE OF YOU WHO THINK YOU KNOW EVERYTHING

ARE VERY ANNOYING TO THOSE OF US WHO DO.

"READER  
DIGEST"

\*\*\*\*\*

# A POEM

by Gail Hayden

A fish is a fish or is a guppy the only one?  
To my husband another wonder has been formed;  
Knowledge has taught him that he is not alone;  
A show guppy is the best I have been informed.

This darling wonder travels from show to show,  
Trying to display his outstanding traits.  
First place is his own and none below;  
But to him his breeder often under-rates.

His home is an environment of daily wonderment,  
Constantly being stuffed with assorted food;  
Ends to which force him to early development,  
He somehow always comes out looking good.

Now a breeder has a much harder life,  
His little darlings need tender loving care.  
Sometimes I wonder if he even needs a wife;  
And all diseases and split tails beware.

There is no show 'guppy that can be ill,  
For at a showing he must be at his peak,  
All bright and dancing at his own will,  
Leaving him star and all others weak.

Ask now is all that time and energy worth it?  
Husband of mine and fish are always home with me,  
To me that is priceless and should cause no fit;  
There is no other place I would rather him be.

So anyone willing to take this route;  
I have only to say please don't dismay;  
Not easy is the hobby you will plan out,  
Then, everything seems to turn your way.

No matter what, when or how you do it;  
Grand males eventually emerge and swim,  
Don't forget, a female is always behind him.

At shows, there are so many classes,  
Then there is that often Question ask;  
Do you think those judges need glasses?  
No wonder these shows are indeed a task.

Now to conclude, as a guppy breeders' wife  
These shows to me are indeed a great ball,  
You see I have the best time of my life;  
I get to spend his money at those malls.

\*\*\*\*\*

BY THE WAY.....

To determine the weight of water in an aquarium: Multiply  
the number of gallons by 8 1/3, which gives the weight  
in pounds. Wet Thumb, 4/72

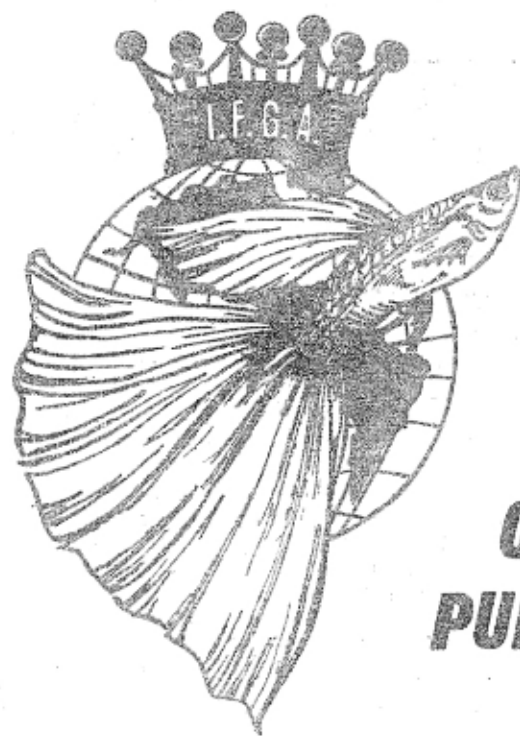
\*\*\*\*\*

## ACCREDITED IFGA JUDGES

- |  |   |
|--|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843           | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201      | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603               | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067               | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740           | 31. Dave Boone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843         | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713             | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204            | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reseda, CA 91335              |   |



**INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION**



**OFFICIAL  
PUBLICATION**

# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

<b>PRESIDENT:</b>	<b>VICE PRESIDENT</b>	<b>SECRETARY:</b>
John Wolcott	Ted Lobello	Mildred Craft
2112 Merritt Dr.	50 Derby Lane	103 Lake Dr. SW Route 2
Northfield, NJ 08225	Orland Park, IL 60462	Pataskala, OH 43062

<b>TREASURER:</b>	<b>PARLIAMENTARIAN:</b>	<b>OVERSEAS SECRETARY:</b>
Tom Allen	Jim Horan	Mildred Craft
304 Circle Ave.	12 Briarwyck	103 Lake Dr. SW Route 2
Lombard, IL 60140	Jacksonville, IL 62650	Pataskala, OH 43062

## JUDGING BOARD

<b>CHAIRMAN:</b>	<b>MEMBERS (Addresses on back cover)</b>
Stan Shubel	Midge Hill
8715 Hidden Lake Dr.	Milford Morgan
Howell, MI 48843	Mike Regent
	Don Craft

## COMMITTEE CHAIRMAN

<b>RECORDER:</b>	<b>MEMBERSHIP</b>	<b>SHOW ROTATION</b>
Terry Wasyluk	Midge Hill	Dale Marteeny
986 Belvedere	9903 Candia Dr.	717 Juanita
Warren, OH 44484	Whittier, CA 90603	Glendora, CA 91740
<b>NOMINATING</b>	<b>PUBLICITY</b>	<b>AWARDS</b>
Elvis Bryant	Ted Lobello	Tom Allen
3438 Ashby Rd	50 Derby Lane	304 Circle
St. Ann, MO 63074	Orland Park, IL 60462	Lombard, IL 60148

## PUBLICATIONS

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\$8 per year (11 issues) by 1st class mail

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IFGA

2345 Oak Grove

Toledo, Ohio 43613

## MEMBERSHIP

Membership in IFGA is limited to groups of 5 or more people.  
Rates are \$15 per year per club. For more information contact:

Membership Chairman

# OFFICIAL BULLETIN of the INTERNATIONAL FANCY GUPPY ASSOCIATION

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except January

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# EDITORIAL

Since the Bulletin is getting longer and longer during the show season, what with results and rules, the Editorial keeps getting shorter and shorter. This months may set an all time record.

\*\*\*\*\*

I just want to remind everyone we still need articles. This month we have a couple of good ones.....keep it up and we'll be doing great. I'd like to see IFGA have a 27-29 page bulletin every month!

All of you breeders who have helped us out by sending in the questionnaires....don't feel left out....I'm spacing them so they run through the Annual Meeting when the new year's "Experts" are named. And those of you who have not returned them as yet, please do. We are getting new subscriptions every day. Many of these people are just beginning in the art of raising show guppies and are very interested in hearing from someone who has already made the grade. Don't worry about spelling or punctuation. Since I re-write them into a story form, everyone will blame me for any mistakes anyway.

\*\*\*\*\*

Madison Aquarium Society in Wisconsin has cancelled their show which was to have been held September 10-11. This brings us to a 10 show season for 1977. Maybe a lot more thought should be given to the idea of choosing 14 shows at the August meeting with the last two being alternates to pick up any shows which are dropped. If the alternates are not needed, they could be the first on the new rotation list the following year.

\*\*\*\*\*

Several people have been complaining about not receiving their Bulletin. The old addressograph left a lot to be desired in its printing. This can be blamed for some of the errors. Once in a rare while the post office returns an envelope they can't read but more often, especially with the 3rd class ones, they pitch it on a pile. A few of the cases have logical explanations...like we had the wrong addresses on the lists sent out by the clubs. Please make sure all addresses and zip codes are correct. One case was a matter of the street being misspelled and another had the correct address but the wrong street name. Then there are a few more that defy explanation. We know they are being mailed because we have checked the envelopes before taking them to the post office. The names and addresses are legible. Somehow between Toledo and their destination, something goes wrong. Don't ask me what!!! This month we will be using the new addressograph for the first time. Please check the envelope to be sure we have the information correct. The numbers in the lower right hand corner of the address are the class and expiration date. This will also be the first time we are using our 2nd class permit application which is pending. All 3rd class bulletins will be sent 2nd class. The post office assures us that they receive the same handling as 3rd class so there should be no delay in their arrival. If anyone has a problem getting them, let us know so we can work it out....or at least try.

\*\*\*\*\*

SEE YOU IN LONG ISLAND.....TAKE THE JUDGING TEST!!!!

# MINUTES - IFGA MEETING

April 16, 1977

Toledo, Ohio

The meeting was called to order at 1:20 PM by President, John Wolcott. The roll call followed:

CLUB	REPRESENTATIVE
Baltimore Guppy Club	Ralph Case-A
Bay Area Guppy Club	
Calumet Guppy Breeders	
Citrus Guppy Club	
Columbus Ohio Guppy Specialists	Don Saurers-D
Delta Kings of St. Louis	
East Coast Guppy Association	Mike Lastella
Everglades Guppy Association	
Fox Valley Guppy Association	
Gateway Guppy Association	Mike Jinkerson-A
Guppy Associates of Chicago International	Joe Rezutka-D
Guppy Associates of Greater Cleveland	Alex Kovacs-D
Guppy Associates of Hawaii	
Guppy Associates of Lafayette	Bill Orth-D
Guppy Associates of Milwaukee	
Guppy Associates of Toronto	David Grigg-D
Heartland Guppy Club	
Houston Guppy Club	
Imperial Guppy Club	Mildred Craft-A
Indianapolis Aquarium Society	Darrell Johnson-D
Indianapolis Guppy Breeders	Milford Morgan-D
Lancaster Guppy Club	Bob Secroft-D
Madison Guppy Club	
Maumee Valley Guppy Association	Joe Hessling-A
Midwest Guppy Club	Alan Eddy-D
Milwaukee Aquarium Society	J.P. Schroeder-D
Motor City Guppy Breeders	Stan Shubel-D
New England Guppy Association	
Northeastern Indiana Fancy Guppy Association	Ron Yater-D
Northern Ohio Guppy Breeders	Al Mueller-D
Pan Pacific Guppy Association	
Potomac Valley Aquarium Society	John Wolcott-D
Puerto Rico Fancy Guppy Association	
Royal Fancy Guppy Association	
Sacramento Guppy Breeders	Dave Crabtree-D
San Diego Guppy Club	
San Fernando Valley Guppy Club	
South Jersey Guppy Group	Clinton Price-A
Tropical Fish Society of Rhode Island	

Pop Morgan moved that the minutes of the 1976 Annual Meeting be accepted as printed in the December, 1976 Bulletin. Darrell Johnson seconded. Motion passed.

# MINUTES.....

## TREASURER'S REPORT- Tom Allen

A. Balance as of November 6, 1977.....\$1206.90

### B. Income:

Dues.....\$375.00  
Trophy Sponsorships..... 315.00  
Corresponding Memberships..... 719.00  
Judging Booklets..... 48.00  
Award Cards..... 27.00  
Miscellaneous..... 12.85

TOTAL..... 1496.85

C. Working Capital..... 2703.75

### D. Expenditures:

Bulletin Expenses..... 712.25  
1976 Trophy Medallions..... 750.00  
Operating Expenses..... 27.04

TOTAL..... 1489.29

E. Balance brought forward.....\$1214.46

Stan Shubel moved the treasurer's report be accepted as read. Joe Hessling seconded. Motion passed.

## COMMITTEE REPORTS

### JUDGING BOARD-Stan Shubel

Stan asked for discussion of the suggestion made in the April Bulletin on the feasibility of changing the judging test to include three tests: written, five fish of one color class, and five different fish. This would permit three levels of judges: assistant judge, judge, and senior judge. There is a real need for more judges and most of the judging involves a class of fish of the same color. Most of the comments were favorable and it was recommended that the test could be tried at the East Coast seminar followed by an evaluation at the August Meeting.

It was also suggested that the judges should receive pins of different colors to denote the judging level passed. This will be on the November agenda.

Limitation of Entries- The question was asked if the number of entries one exhibitor may enter in a show should be limited. Much discussion, but no conclusion at this time.

Male Point System- The Judging Board has recommended that the body and dorsal points should be changed to equalize the points for color and size at 8 each and add one point to shape and one to condition. This will be on the November agenda.

### MEMBERSHIP COMMITTEE-

John Wolcott read a report sent in by Midge Hill. Publicity in TFH, Supplies to Groupers, and Aquarium News has brought in more than 200 requests for information. They have all been sent information and a form to send to the

# MINUTES.....

editors for a subscription. Several have indicated that they plan to form local clubs and join IFGA as well. Two applications for membership were from the Atlanta Guppy Club and The Exotic Fish Society of Hartford. Both clubs had sent in rosters and checks. Alan Eddy moved that we accept both clubs. Alex Kovacs seconded. Motion passed.

## PUBLICITY COMMITTEE-Ted Lobello

The only club that has sent in information about their show in time to get it into the publications was Maumee Valley. Ted received six responses requesting more information on the show. He sent the information and will give the letters to clubs in the vicinity of the senders to follow up on. Clubs should send in their information 90 days before the show and Ted will send it to the publications.

## AWARDS COMMITTEE- Tom Allen

There will be 25 annual awards this year. 22 have been sponsored. Three have not. East Coast Guppy Club will sponsor the Albino class, Gateway will sponsor the AOC Female class. The Black female class remains unsponsored and will be picked up by IFGA.

Tom asked all clubs to be sure to keep all entry sheets and judging cards until after the Annual Meeting so that any questions can be checked into. Also be sure to order award cards early.

It has been suggested that the point standings could include not only the name of the person, but also their club affiliation. Tom could do this, but frequently the entrant does not include his club on the entry form. If the information is available he will do it.

Tom also urged all exhibitors to use the same first name on all entry forms for the show year (ie.- do not use D., D&C, and Dooley Jones all in one year).

Annual Awards-The Chicago Club showed samples of the plaques they are considering for the Annual Awards in November. After discussion Pop Morgan moved that they use the plaques this year with the largest for first place grand overall male and female, the second size for first in class and graduated as necessary for other places. Dave Crabtree seconded, passed.

## PUBLICATION COMMITTEE- Joe Hessling

Due to publicity in various publications there have been a number of new subscriptions to the Bulletin. Circulation is now over 600 monthly. EDITOR'S NOTE- Inaccurate- more like 400.) The present stapler is inadequate. Joe Hessling moved that IFGA purchase a new one for \$54.95. Alan Eddy seconded. Motion passed.



MINUTES.....

The addressograph is worn out and much of the addressing is done by hand. They would like to buy another one. There were suggestions of alternate methods of having the labels made. Stan Shubel moved that the committee may spend up to \$200.00 for a labeling machine. Don Saurers seconded. Motion passed. If the committee cannot find an answer within that amount, they may present another request in August.

NOMINATING COMMITTEE--

Bill Orth has been appointed as chairman of the nominating committee. Emery Mann moved that Bill should choose the other two members to work with him. Alan Eddy seconded. Motion passed.

SHOW ROTATION COMMITTEE--

There have been requests to discuss the Puerto Rico Club's show eligibility. Following their show on July 10-11, 1976 there have been numerous complaints from entrants who have not received their awards, auction money or replies to letters of inquiry. John Wolcott has written two letters and an open letter in the Bulletin in behalf of IFGA and received no answer.

In August when the shows were allotted Puerto Rico was a club in good standing, but now it is not because they have not sent in their roster or paid their 1977 dues. There is also a requirement covering shows that states "all IFGA sanctioned shows must follow the rules..... Failure by a club to comply with all required rules and regulations will result in that club having their rights and privileges revoked". Since Puerto Rico did not fulfill their past obligations, they fall under this rule. Pop Morgan moved that we disallow Puerto Rico to hold a point show this year because of their failure to live up to the rules and regulations of IFGA. Joe Rezutka seconded. Motion passed. The Secretary was instructed to send a letter to the Puerto Rico Club by certified mail to inform them of the decision. They may hold a non point show if desired.

CONSTITUTION AND BY-LAWS- Andy Hull

The Constitution and by-laws need a major updating. Andy Hull has taken all the past minutes and carefully rewritten them to include all changes made, but unnoted over the years. The publication committee will make copies to be sent to each club with the May Bulletin. Andy has asked that the clubs consider what he has written at their meetings and bring suggestions to the August meeting so that we will have a revised copy in time for action at the Annual Meeting.

MINUTES.....

OLD BUSINESS

The items under old business to be considered in November are: Good standing of clubs, show awards, and show eligibility.

NEW BUSINESS

ENTRY FORMS

Standard entry forms are available from the publication committee. They may be ordered from the committee or clubs may have them run off locally. Two copies will be included in the May bulletin and one in the show rules and standards booklet so that everyone will have them available. It is strongly urged that all entrants shipping fish use these forms and send them in duplicate with their shipment.

JUDGING SEMINARS

Alex Kovacs made a recommendation to the Judging Board that we should have more judging seminars than the two a year held presently. His motion reads: Additional seminars may be held by any club or clubs, and they will be responsible for the Judging Board member's expenses. This will be considered by the Judging Board before November.

NOVICE CLASS

David Grigg made a recommendation that the Novice class could become a sponsored class for a yearly trophy. A novice could compete for one year provided he did not win in color classes. This also will be considered by the Judging Board before November.

BI-COLOR CLASS

Dave Crabtree made a recommendation to the Judging Board that the blue and green bi-color classes be combined. This also will be considered at their meeting before the Annual Meeting.

SHOW ROTATION

Dave Crabtree moved that we consider the two alternate clubs from the show rotation list to fill in for a dropped show. Second by David Grigg. Passed to be in November agenda.

MADISON AQUARIUM CLUB SHOW

Tom Allen reported that in conversation with people from the Madison Aquarium Club he had been advised that they probably will not hold a show this year. IFGA has not received official notification at this time.

Meeting adjourned at 4:00 PM

Respectfully submitted  
Mildred Craft, Secretary

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# EDITORIAL FEEDBACK

IN ANSWER

by Stan Shubel

In the past few months we have heard from people who have purchased guppies thru the mail. In some of the cases they have been very disappointed in the quality of the young from those fish. It seems they place all the blame on whoever sent them the fish. Once in a while their claims may be justified, but I believe in a majority of the cases they themselves are to blame.

First lets examine the fish they receive. Generally speaking they would fall into three categories: inbred fish, these bring brother-sister, father-daughter or mother-son crossings; second would be line bred fish such as two separate lines of the same strain crossed; the third would be hybrid fish, that is fish that are from two completely unrelated strains crossed.

Now I must speak in the generalities because the following does not hold 100% true in all cases. From the inbred fish you should get young that look quite a bit alike having almost the same characteristics; these will usually be smaller fish.

The line bred fish should drop young where some will have a percentage of the same characteristics and the rest may show different characteristics relating to the dominate factors of the other line. These fish will usually run in the medium size range. Hybrid fish may produce almost anything....if you are very lucky some may even look like your parents fish. A lot of the show fish are hybrids. These are the least desirable to use as breeding stock even though they are usually quite large.

The main thing is to get babies born into your water conditions....with that, half the battle is won or lost depending on what you do with them. I'm not going to go into the correct procedure for raising these fish you have received as that would take a whole bunch of writing and as Ethel will gladly tell you I am lazier then heck.

Every one seems to feel all you have to do is get some decent breeding stock and you will automatically have prize winning fish the first time around. This does happen once in a while, but most of the time....no, at least not without some hard work.

People are a little hard to figure out at times. If the young fish don't come out just as good or better than the parents you are a no good bum for sending them junk fish. Even the best breeders don't get good fish all the time, and they have the top choice of the tanks to pick from.

I have been supplying breeding stock to people all over the country for almost 20 years and a lot of fish at the shows sure look familiar. But still I run into situations that are hard to figure out.

Not too long ago I had sent some blues to a breeder in Indiana. The babies came out spotted and variegated and these were out of a solid blue line. He raised a couple of generations

FEEDBACK.....

and it was the same story. He in turn sold some of these variegated blues to another breeder in a different town. When these fish had babies they came out solid blue. Young from these babies are still solid blue. Doesn't make much sense and about the only thing we can lay it to is the difference in the water chemistry.

I have since sent him more fish and after the third try he is now getting solid color fish. In other words we found some fish that would adapt to his water conditions and still hold the solid color.

At other times I have had other breeders come to the house and take females out of my breeding tanks with similar results. As my fish throw a very high percentage of decent quality stock it was hard to figure where the variances in color came from and why water would have such an effect. I still don't have the answer but once in a while it sure does.

Another thing they say is that the babies don't get as large as the parents. To start off with, it is rather difficult to duplicate the conditions that the original fish were raised under. Even though the breeder may tell you the water pH and DH, temperature, type of filtration and what foods were fed.

This information is helpful but not necessarily mandatory. As there are almost as many different ways to raise guppies as there are different types of guppies. There are no hard and fast rules when it comes to raising fish.

I think I speak for the majority of the breeders when I say we try to send out good fish. But what happens at the other end we have no control over. And it only takes about two generations to take some fairly decent stock and turn them into junk fish. In the same vein some fair fish can be turned into super show fish in the same amount of time.

My best advise would be when buying fish to try and get them in the 3-6 month age bracket. If possible get one female bred and one virgin. Ask for inbred or line bred fish, if you can stay away from hybrids. And don't give up right away because the babies aren't just exactly what you want.

I only wish I had had access 20 years ago to the dish that are available at the present time.

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BY THE WAY.....

Save the old aquarium water you syphon from your tanks. It makes really good water to feed your house plants. Use the old filter fluff for mulch on top of the soil, too, but be careful not to smother the crown of the plant.

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# FROM THE PRESIDENT

I was unable to attend the New England Show or the Cleveland Show. However, I understand each club did a real good job.

Let's all keep on showing. The next show June 11-12 is in Long Island, New York. East Coast is putting on their first show along with a judging seminar, please try to attend.

The Gateway Club in St. Louis follows on June 25-26.

I'm sorry the Madison, Wisconsin Club had to give up their show in September.

Our second meeting of the year is coming up in August hosted by the Northeastern Indiana Club. Each club should be prepared to accept or pass on shows for the 1978 season. Also please discuss the updated Constitution & By-laws and be prepared to recommend its acceptance or changes. Any additional agenda items for the November Meeting should be presented at this meeting.

Some items for thought:

....Place the club name after each class winner (example)

RED

J. Woodruff (MVGA)

....Anyone know of some good slide programs that clubs could show at their meetings.

All clubs holding shows need our help- SHOW YOUR FISH.

Regards,

P.S. My fish made it to Cleveland, but too late for the show bench. The air mail now compares to the Pony Express.

## AGENDA 2nd MEETING 1977

Northeastern Indiana Guppy Association  
August 13-14, 1977

ROLL CALL.....Millie Craft  
MINUTES OF APRIL MEETING.....Millie Craft  
TREASURER'S REPORT.....Tom Allen  
JUDGING BOARD.....Stan Shubel  
MEMBERSHIP.....Midge Hill  
PUBLICITY.....Ted Lobello  
AWARDS.....Tom Allen  
PUBLICATION.....Jim Woodruff  
NOMINATING.....Bill Orth  
SHOW ROTATION.....Dale Marteeney  
CONSTITUTION & BY-LAWS.....Andy Hull  
OLD BUSINESS.....  
NEW BUSINESS.....

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# NEW ENGLAND GUPPY ASSOCIATION

7 POINT SHOW RESULTS 488 ENTRIES  
APRIL 30-MAY 1, 1977

JUDGES: Mike Regent, Alice Regent, Don Saurers, Dave Crabtree, Dennis Hirth

ASS'T JUDGES: Glenn Wachter, Barbara Hirth

OBSERVERS: Lynn Wachter, John Walski, Bob Hoitt, Barbara Grimestead, Dwight Grimestead, Mike Lastella, Vic Piteo, John Cashel, Frank Cashel, Kiu Choy, Frank Jamol, Jim Rooney, Len Ryan

## BEST OF SHOW

MALE: (H/B Gold) (Purple Delta) (Green Delta) (Black Delta)  
1. L. Wasserman 2. D. Croteau 3. L. Wasserman 4. A. Prall

FEMALE: (H/B) (Black) (Red) (Gold)  
1. D&M Crabtree 2. A&V. Gonzalez 3. D. Polunas 4. D. Saurers

TANK: (Green) (H/B ADC) (Blue) (Purple)  
1. L. Wasserman 2. M. Lastella 3. B&H Lapp 4. B. Hoitt

BREEDER

MALES: 1. M. Lastella 2. F. Orteca 3. A. Prall 4. L. Wasserman

BREEDER

FEMALE: 1. D&M Crabtree 2. E. Golimowski 3. D&M Crabtree 4. D&M Crabtree

	TANK	***** DELTA *****	VEIL
RED:	1. J&M Walker (7) 2. J&S Woodruff 3. A. Ahrenholz 4. A. Ahrenholz	J&M Walker (15) M. Marvin J&M Walker A. Berg	J&S Woodruff (8) J&S Woodruff J&S Woodruff J&S Woodruff
BLUE:	1. B & H Lapp (2) 2. J&J Magnifico 3. ----- 4. -----	B&H Lapp (10) B&H Lapp B&H Lapp J. Walski	J. Walski (3) Disq. Disq. -----
GREEN:	1. L. Wasserman (7) 2. L. Wasserman 3. M. Lastella 4. M. Lastella	L. Wasserman (12) L. Wasserman J&J Magnifico M. Regent	M. Lastella (6) L. Wasserman M. Lastella J. Walski
BLACK:	1. A. Prall (6) 2. A. Prall 3. A. Prall 4. L. Wasserman	A. Prall (10) A. Prall L. Wasserman L. Wasserman	L. Wasserman (2) L. Wasserman ----- -----
MULTI:	1. R. Szydluk (5) 2. R. Szydluk 3. Szydluk 4. Horan	J. Horan (6) R. Szydluk R. Szydluk M. Pressley	J. Horan (6) R. Szydluk R. Szydluk J. Horan

NEGA RESULTS.....

	TANK	DELTA	VEIL
AOC:	1. Disq. (11) 2. Disq. 3. Disq. 4. Disq.	T&P Allen (6) M. Lastella Disq Disq	Disq. (6) Disq. Disq Disq
H/B RED:	1. D. Epple(7) 2. L. Wasserman 3. L. Wasserman 4. G. Uachter	L. Wasserman (23) L. Wasserman L. Wasserman T. Barchalk	L. Wasserman (7) L. Wasserman M&H Jinkerson Disq
GOLD:	1. B&H Lapp (5) 2. B&H Lapp 3. B&H Lapp 4. T&S Wasylmink	L. Wasserman (7) D. Saurers B&H Lapp B&H Lapp	B&H Lapp (3) B&H Lapp B&H Lapp -----
SOLID SNAKE:	1. W&M Brandeberry 2. W&M Brandeberry 3. W&M Brandeberry 4. E. Chiasson(5)	D&M Crabtree(7) L. Wasserman W&M Brandeberry E. Chiasson	J. Zelk (4) W&M Brandeberry W&M Brandeberry W&M Brandeberry
VAR. SNAKE:	1. M. Regent(5) 2. W&M Brandeberry 3. J. Zelk 4. J. Zelk	K. Morrissey(12) K. Morrissey J&J Magnifico J&J Magnifico	J. Zelk (11) J. Zelk J. Zelk J. Zelk
PURPLE:	1. B. Hoitt(8) 2. B. Hoitt 3. H&C McCorkle 4. B. Hoitt	D. Croteau (12) B. Hoitt B. Hoitt B. Hoitt	T. Allen (8) B. Hoitt B. Hoitt T. Allen
H/B AOC:	1. M. Lastella(8) 2. M. Regent 3. L. Wasserman 4. C. Price	M. Lastella(13) M. Regent L. Wasserman M. Lastella	M. Lastella(4) M. Lastella J. Walski Disq.
H/B BLUE:	1. M. Lastella(4) 2. J. Walski 3. M. Lastella 4. Disq	M. Lastella(7) M. Lastella M. Lastella J. Walski	M. Lastella(6) T&S Swatkowski T&S Swatkowski
H/B PASTEL:	1. F. Jamiol(8) 2. T&S Swatkowski 3. T&S Swatkowski 4. T&S Swatkowski	F. Jamiol(9) V. Pico T&S Swatkowski V. Pico	L. Wasserman (14) J&M Walker J&M Walker F. Jamiol
RED BI:	1. D. Weinzerl(4) 2. R. Szydlik 3. R. Szydlik 4. J. Walski	E. Golimowski(8) D. Weinzerl A. Ahrenholz D. Weinzerl	L. Allen(3) R. Szydlik J. Walski -----

NEGA RESULTS.....

	TANK	COMBINED
BLUE BI:	1. M. Regent (4) 2. F. Jamiol 3. R. Szydlik 4. R. Szydlik	M. Lastella (6) F. Jamiol H. Chin R. Szydlik
GREEN BI:	1. F. Orteca (2) 2. M. Regent 3. ----- 4. -----	M. Lastella (4) F. Orteca M. Regent Disq.
AOC BI:	1. R. Szydlik (2) 2. R. Szydlik 3. ----- 4. -----	E. Golimowski (7) J. Walski E. Golimowski J. Walski
ALBINO:	1. J&M Walker (5) 2. J&M Walker 3. J&M Walker 4. M. Lastella	J&M Walker (4) J&M Walker J&M Walker J&M Walker
BRONZE:	1. L. Wasserman (9) 2. L. Wasserman 3. J&M Walker 4. J&M Walker	L. Wasserman (7) J&M Walker J&M Walker J&M Walker
H/B GOLD:	1. L. Wasserman(2) 2. L. Wasserman 3. ----- 4. -----	L. Wasserman (4) A. Price J. Walski J. Walski
SWORDS:	1. J. Horan (4) 2. J. Horan 3. D. Saurers 4. D. Saurers	J. Horan (7) D. Saurers J. Horan J. Horan
YELLOW:	1. B. McGovern (2) 2. ----- 3. ----- 4. -----	1. R. Case (6) B. McGovern B. McGovern B. McGovern
NOVICE:	1. -----(0) 2. ----- 3. ----- 4. -----	D. Grimestead (4) D. Grimestead R. Kercher M. Prossley



NEGA RESULTS.....

FEMALES			
RED:	1. D. Polunas (9) 2. M. Marvin 3. M&H Jinkerson 4. J. Horan	BL/GREEN:	1. J. Horan (10) 2. A&V Gonzalez 3. A&V Gonzalez 4. J. Horan
AOC:	1. T. Barchalk (7) 2. D&M Crabtree 3. T&P Allen 4. M&H Jinkerson	BLACK:	1. A&V Gonzalez (7) 2. A&V Gonzalez 3. A&V Gonzalez 4. A&V Gonzalez
H/B:	1. D&M Crabtree(3) 2. G. Wachter 3. Disqs 4. -----	ALBINO:	1. T&S Wasylink (8) 2. T&S Wasylink 3. J&M Walker 4. T&S Wasylink
GOLD:	1. D. Saurers (11) 2. D. Saurers 3. B. McGovern 4. B&H Lapp		

IFGA POINT STANDINGS AS OF MAY 9, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1. J&M Walker	938	1. G. Parrish	474	1. L. Wasserman	1344
2. J&S Woodruff	700	2. H&H Lapp	434	2. M. Lastella	868
3. A. Ahrenholz	532	3. S. Shubel	350	3. J&M Walker	308
4. A.R. Mueller	196	4. B&J Orth	336	4. G. Parrish	238
BLACK CLASS		MULTI CLASS		AOC CLASS	
1. L. Wasserman	1460	1. J. Horan	1162	1. B&J Orth	1092
2. B&J Orth	686	2. R. Szydlak	1148	2. D. Han	476
3. A. Prall	462	3. R&L Williams	364	3. E. Golimowski	336
4. H. Coren	252	4. C. Varney	112	4. R. Szydlak	140
BICOLOR CLASS		PURPLE CLASS		SNAKESKIN CLASS	
1. R. Szydlak	3528	1. G. Parrish	1162	1. J. Zelk	1540
2. F. Orteca	532	2. T&P Allen	924	2. G. Parrish	1190
3. M. Lastella	518	3. B. Hoitt	616	3. W&M Brandeberry	1176
4. E. Golimowski	462	4. H&C McCorkle	126	4. M. Regent	420
		4. D. Hayden	126		
GOLD CLASS		YELLOW CLASS		BRONZE CLASS	
1. B&H Lapp	1106	1. B. McGovern	938	1. J&M Walker	1092
2. T&S Wasylink	462	2. G. Parrish	448	2. L. Wasserman	728
3. D. Saurers	210	3. J. Walcott	210	3. R. Yater	462
4. R. Szydlak	140	4. T&S Wasylink	168	4. B&E Brunton	126
4. J. Thale	140				

STANDINGS.....

ALBINO CLASS	PTS	SWORDTAIL CLASS	PTS	H/B AOC CLASS	PTS
1. J&M Walker	1302	1. J. Horan	1530	1. M. Lastella	1204
2. T&S Wasylink	434	2. A.P. Schroeder	672	2. L. Wasserman	574
3. M. Lastella	336	3. D. Saurers	378	3. M. Regent	322
4. D. Han	210	4. L. Allen	238	4. D&M Crabtree	308
H/B RED CLASS		H/B PASTEL CLASS		H/B BLUE CLASS	
1. L. Wasserman	1498	1. G. Parrish	1064	1. M. Lastella	1134
2. T. Archbold	630	2. T&S Wasylink	630	2. T&S Swatowski	448
3. D. Eppe	308	3. F. Jamiol	406	3. G. Wasylink	378
4. R. Wafle	196	4. J&M Walker	336	4. B. Hazzard	266
BREEDER MALE CLASS		BREEDER FEMALE CLASS		H/B FEMALE	
1. M. Lastella	1190	1. E. Golimowski	1134	1. T. Archbold	208
2. F. Orteca	840	2. D&M Crabtree	588	2. M&H Jinkerson	266
2. L. Wasserman	840	3. A. Kovacs	252	3. D&M Crabtree	140
4. G. Parrish	490	4. D&L Grigg	210	4. R. Puckett	112
BLUE/GREEN FEMALE		RED FEMALE		AOC FEMALE	
1. J. Horan	392	1. D. Polunas	350	1. E. Golimowski	238
2. A&V Gonzalez	196	2. E. Golimowski	210	2. J. Horan	126
3. D&M Crabtree	126	3. M&H Jinkerson	112	3. D&M Crabtree	98
4. A. Kovacs	70	4. M. Marvin	56	4. T. Barchalk	70
GOLD FEMALE		BLACK FEMALE		ALBINO FEMALE	
1. D. Saurers	406	1. A&V Gonzalez	406	1. T&S Wasylink	602
2. B. McGovern	84	2. H. Coren	168	2. D. Han	42
3. T. Barchalk	70	3. D&M Crabtree	56	2. J&M Walker	42
4. A. Kovacs	56	3. B&J Felinski	56	4. T. Barchalk	28
FEMALE GRAND	pts	MALE GRAND	pts		
1. Eugene Golimowski	980	1. Lou Wasserman	4830		
2. D&M Crabtree	665	2. Glen Parrish	3995		
3. A&V Gonzalez	630	3. Mike Lastella	3850		
4. M&H Jinkerson	350	4. Rich Szydlak	1430		
5. Jim Horan	315	5. J&M Walker	1330		
6. Don Saurers	280	6. Jim Horan	1120		
6. T&S Wasylink	200	7. Stan Shubel	1015		
8. Alex Kovacs	245	8. B&H Lapp	910		
8. David Polunas	245	8. Frank Orteca	910		
10. Ted Archbold	210	10. T&S Wasylink	700		
10. D&L Grigg	210				

The Albino Class points have been corrected. My apologies to those affected. Tom Allen

Tom Allen

See you in Long Island  
and  
St. Louis !!  
-14-

The following begins a series of articles which were originally printed in Guppy Roundtable in 1971. The information is still very much of value and interest.

#### SECRETS YOUR GUPPIES DON'T TELL YOU

by Midge Hill

The guppy is a pretty remarkable creature. The better we understand its basic functions and requirements, the more ways we can successfully experiment on ways of improvement within the physical limitations of the guppy itself. If guppies could tell all their secrets we could well use the knowledge to produce bigger and better guppies.

#### WHY A GUPPY IS SHAPED AS IT IS

To move in water...which is incompressible.....a guppy must literally push the water aside. The water this pushed quickly closes in again from behind. This is one very good reason why the guppy, and most other free-swimming fish, has a torpedo-like shape....streamlined at the head, widening in the middle and tapering back so that the water can flow smoothly along its sides with a minimum of resistance. If you have ever tried to row a boat backwards....blunt, stern end first....you can imagine the difficulty a fish would have if it were shaped similarly. But turn the boat around and the point slices neatly through the water.

This streamlined shape is quite obvious in the guppy, whose body is basically a hollow cylinder along the upper part of which is the vertebral column which runs from head to tail. This series of small discs gives rigidity to the guppy's body. All along the body cylinder are many segments which contain the powerful locomotor muscles which enable the fish to undulate from side to side....the swimming motions. The rib cage, which is attached to the vertebral column, serves to protect the internal organs.

#### THE SECRETS OF MOVEMENT IN WATER

To merely support its body weight in the water is easy for a guppy since protoplasm has approximately the same density as water. Because of this any fish is almost weightless in the water, no matter what his size, from tiny fry to giant whale. This makes it possible for fish to have a light, simple bone structure.

To contro movement in the water the guppy is provided with various fins to project from the body. There are two sets of paired fins; the pectoral fins located just behind the gills on the side of the head, and the pelvic fins located on the underside of the belly. There are in addition, three single fins: the dorsal fin along the midline on top, the anal fin behind the vent on the underside, and the caudal fin located at the very end of the fish. All these fins are moved by muscles within the body and serve their own purposes of stability, locomotion, or steering.

The dorsal fin, pelvic fins and pectorals work together as the basic stabilizing agents. When the fish is moving fast, the flaring dorsal fin tends to fold down fairly flat for a more

SECRETS.....

streamlined effect. At other times the dorsal stands erect and acts as an antiroll stabilizer to help keep the fish upright in the water. The pectorals work sideways and are used for balancing, turning and backward motions. Sometimes, in guppies with oversized tails, the pectorals are called into action as the primary means of locomotion. Not being created for performing this function alone, the fish is far from a very graceful swimmer and, lacking the momentum normally provided by the propelling action of the tail, the fish tends to wobble from side to side when "swimming".

The caudal fin is a very important part of a guppies steering mechanism. Also being upright, it serves as an additional stabilizer. The tail was originally designed to be a powerful propelling agent in the water for swimming moving from side to side as the caudal peduncle undulates in the swimming motion. However, when the tail becomes oversized it can be more of a hindrance than a help to the guppy's swimming ability, and such a fish wouldn't stand a chance in an unprotected environment.

To swim through its incompressible medium, the guppy wiggles back and forth, pushing the water aside by moving its head first to one side then to the other. The curve of its body follows and the motion is completed by the flexible tail. In its rush to close in again, the water flows smoothly back along the fish's narrowing sides.....actually helping the fish to move forward as it closes in at the tail.



Another characteristic body movement which the guppy shares with many other fish, is known as the 'body-wag' or 'tail-wag'. This tense, stiff-bodied, jerky 'dance', given with expanded fins, is performed as part of a complicated courtship display....or as a symbolic combat pattern.

To maintain buoyancy a guppy is provided with a swim bladder. Located in the body cavity just below the backbone, it is an airtight sac lined with glands that can selectively take gases directly from the blood stream and put them into the silvery, cylindrical air bladder. The amount of gas is precisely regulated so that the fish can remain buoyant at whatever water depth it prefers. Experiments indicate that carbon dioxide is present in the swim bladder in higher amounts than in normal air. Because adjustment in the swim bladder is a slow process, it can limit the depth range of the fish. Too rapid a change from deep to shallow can cause the bladder to expand like a balloon as pressure gets less....even killing the fish.

NEXT MONTH..... SECRETS OF THE FOOD CHANNEL



NORTHEASTERN INDIANA FANCY GUPPY ASSOCIATION  
IFGA SANCTIONED 7 POINT SHOW  
2nd MEETING  
AUGUST 13-14, 1977

LOCATION: Marriott Inn, Fort Wayne, Indiana

SCHEDULE: Saturday, Aug. 13      Sunday, Aug. 14  
11 AM-5PM- Benching      10 AM-3 PM- Public Viewing  
1 PM-5 PM- Meeting      1 PM- Awards presentation  
6:30 PM - Judging      2 PM- Auction

GENERAL RULES:

1. All entries must be registered by 5 PM, Sat., Aug. 13.
2. Exhibitors to determine the class in which their entries will compete. Assistance in classification will be available at the time of registration.
3. All entries improperly entered will be disqualified and will not be judged.
4. Every precaution will be taken against loss or hazard of any kind, however, neither NIFGA nor Marriott Inn can assume responsibility for losses which might occur.
5. Lighting will be overhead fluorescent.
6. Background will be of black material.
7. Bowls and tanks will be furnished. No gravel, plants, or decorative materials will be allowed.
8. No fish will be removed from the show area until 2:30 PM Sunday and then only by authorized persons.
9. All entries must have been born and raised in the exhibitors tanks.
10. All entry fees must be prepaid.
11. Judging will begin at 6:30 PM Sat., Aug. 13. Entries will be judged in accordance with IFGA standards.
12. Observers to the judging must register prior to 6:30 PM and will be limited in number.
13. An auction, open to the public, will be held at 2 PM Sun., Aug. 14. NIFGA will retain 25% of the sale price of all fish sold. Exhibitors should indicate fish for auction at the time of registration.

ENTRIES:

Single entries: To consist of 1 male or 1 female shown in 1/2 gallon drum bowls. One female may be added to the male entries but will not be judged. ENTRY FEE: \$1.00  
Tank entries: To consist of 2 matched males. One female may be added but will not be judged. ENTRY FEE: \$2.00  
Breeder males: To consist of 5 matched males. Two females may be added but will not be judged. ENTRY FEE: \$3.00  
Breeder female: To consist of 3 matched females. ENTRY FEE: \$3.00  
Novice Classes: Open to anyone who has not won a first place in IFGA competition.

NIFGA RULES.....

SHIPPED IN ENTRIES:

1. All shipped in entries must be received by Thursday, Aug. 11 at 6 PM.
2. Be sure all fish are marked clearly as to breeders name, address, and class to be entered.
3. All shipments must be prepaid. No collect shipments will be accepted.
4. Unless specifically requested otherwise, all shipped in fish will be auctioned. Should it be desired that the fish be returned, it should be so stated on the entry form and return shipping charges included with the shipment.
5. AIR MAIL SPECIAL DELIVERY: Send to Phil Troyer, 6018 Ellison Rd., Ft. Wayne, IN, 46804.
6. AIR FREIGHT: Send to Baerfield Airport, Mark: CALL ON ARRIVAL: Phil Troyer- 747-1502 OR 432-6270.

CLASSES:

<u>DELTA</u>	<u>VEIL</u>	<u>COMBINED</u>
Red	Red	Albino
Blue	Blue	Gold
Green	Green	Swordtail Single
Black	Black	Swordtail Double
Multi	Multi	Novice Male
Yellow	Yellow	
AOC	AOC	<u>FEMALES</u>
Purple	Purple	Red
Bronze	Bronze	Bl/Green
H/B AOC	H/B AOC	AOC
H/B Red	H/B Red	Black
H/B Pastel	H/B Pastel	Gold
H/B Blue	H/B Blue	Albino
Red Bicolor	Red Bicolor	Bronze
Blue Bicolor	Blue Bicolor	H/B Red
Green Bicolor	Green Bicolor	H/B AOC
AOC Bicolor	AOC Bicolor	Novice
Snakeskin Solid	Snakeskin Solid	
Snakeskin Var.	Snakeskin Var.	<u>BREEDER MALES</u>

TANKS

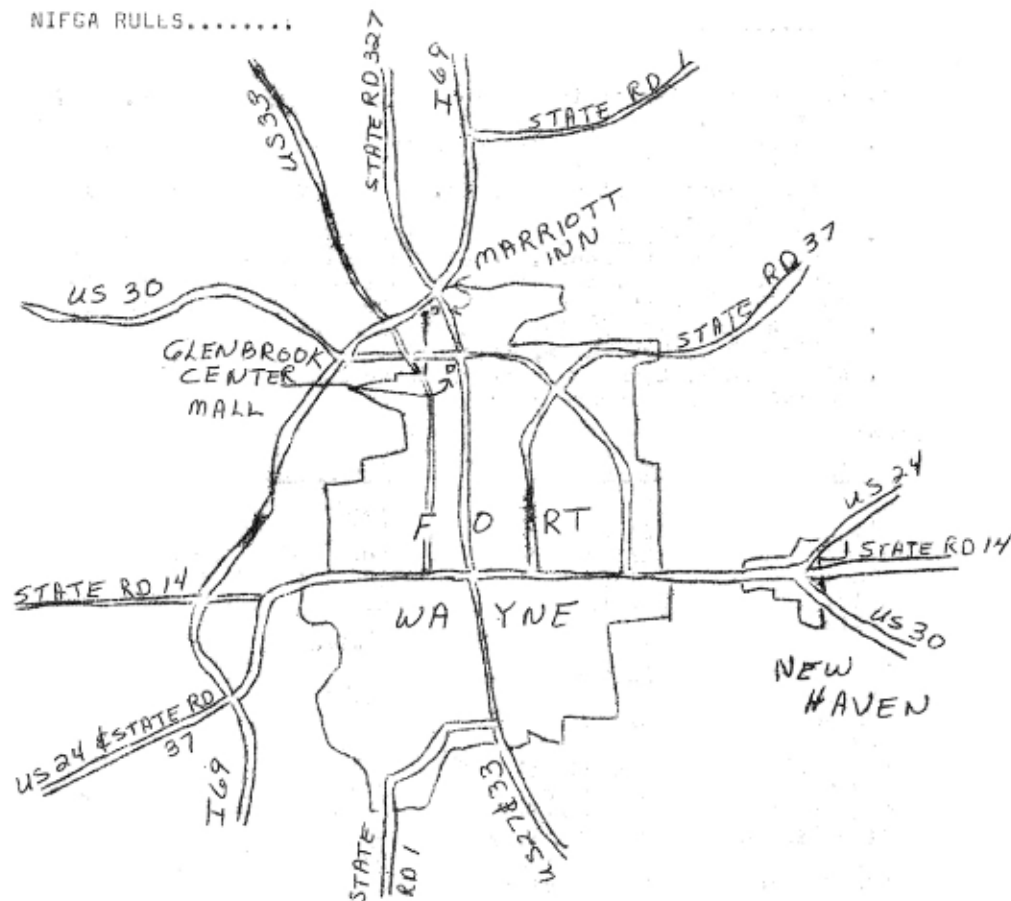
Red	Red Bicolor
Blue	Blue Bicolor
Green	Green Bicolor
Black	AOC Bicolor
Multi	Yellow
AOC	Snakeskin Solid
Purple	Snakeskin Var.
H/B AOC	Gold
H/B Red	Albino
H/B Pastel	Bronze
H/B Blue	Swordtail

All colors combined

BREEDER FEMALES

All colors combined

NIFGA RULES.....



#### ACCOMMODATIONS:

For room reservations please call Ted Archbold at 219-622-4545 by Aug 7.

\*\*\*\*\*

#### PROFILE ON THE EXPERTS.....

Tom And Pat Allen Tom And Pat Allen

A couple of the nicest "guppy nuts" I know are featured this month. Tom and Pat, or T&P ALLEN as the standings list them, can usually be found helping out at the shows in the midwest. They are always more than ready to pitch in when needed. Beth and Jim, the younger Allens, can generally be found checking the pay phones and pop machines for forgotten change!

Pat's houseplants must share the space in the families home in Chicago with the many trophies the pair has won since 1971 when they began showing. Last year they took a 3rd place in the purple class and a 2nd in AOC females.

Tom raises purples, blues, greens, and bicolors along with albino catfish by the thousand and angel fish. He runs a very well organized 80 tanks. He was so complete and informative with his answers to my questionnaire, I'll just let him tell you the rest.....

I was reintroduced to guppies back in 1969 when I purchased a pair for my daughter's amusement. I had kept tropical fish as a youngster and it didn't take long for me to get involved again. After some months, I was convinced I had bred the best guppies in the world. That is, until I attended my first IFGA show which was held in Chicago sometime around 1970. I was in awe at the quality of fish being exhibited and was determined to do something about improving the strains I was working with. Back then, I was a member of the Edgewood Valley Aquarium Society but was on the look out for a club which placed more emphasis on the guppy. Word got to me that GAIC was looking for members. I applied for membership, was accepted, and, armed with my 6 tanks (1-20 gal., 2-10 gal., and 3-5 gal.), I began my search for whatever guppy knowledge was available.

My first IFGA show was the Annual which was being held in St. Louis in 1971. Entering three fish in the veil classes, I walked off with two third place awards which was all that was required to get me hooked. Of course, now I needed more tanks to do my thing. My second show was in Kokomo the next season. It was a complete disappointment----no awards. Later that year, in the South Jersey Show, I captured my very first trophy and two more as kickers. Since that time, I've won many awards including 4 IFGA World Class Championships. However, I am most proud of the fact that since that South Jersey show, I've never missed exhibiting in a sanctioned IFGA Show.

My fish room consists of:  
19- 2 1/2 gallon tanks  
16- 5 gallon tanks  
18- 10 gallon tanks  
30- 20 gallon tanks





# EXPERT.....

I have no supplemental heat source other than what comes from the furnace. Obviously, my water is cold in winter ranging from 68°-72°.

My feeding schedule consists of 6 meals (every 3 hours: 6:30AM, 9:30 PM) with baby brine shrimp and frozen beef heart as staples. The other four meals consist of powdered flake foods and high protein blends with grindle worms as an occasional supplement.

Tanks are drained weekly (1-1/3 water replacement) without fail and filters cleaned every two weeks.

As for advice to novice breeders: 1. Read and study as much about the hobby as you possibly can. You'd be surprised how much more can be gotten from an article by reading it over a second time.

2. Make an effort to attend at least one IFGA show each year., preferably the annual in November. This will afford you an opportunity to see what is currently being shown, talk to others in the hobby, and perhaps purchase some fish at auction to upgrade your strains.

3. Obtain the very best breeding stock available to you. Nothing can be more discouraging than to work for months and not be rewarded with good fish.

Set up a feeding schedule based on your availability, the accessibility of foods, etc. Feed newly hatched baby brine at least once per day supplemented with good commercial dry foods available.

5. As other strains and tank space permits, outcross whenever possible. However, setting the parent strains by inbreeding will work to your advantage in an outcross. Not all crosses will work out. Once a good cross is made, line breed using your one best male and as many of his sisters as are needed. Each female selected will produce the young which will make up the individual lines. Each line is inbred for 3-5 generations and then crossed back with the "sister-line" of the strains.

6. Keep accurate records of each strain, each dropping, each cross, etc. This is important as this information will prove valuable in future generations of your fish.

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## BY THE WAY....

An absentee fish food can be made from 1/2 cup cold water, one envelope unflavored gelatin and fish food. Just sprinkle the gelatin on the water in a small heatproof bowl and let it soak for 5 minutes. Set the bowl in a shallow pan of water on low heat to dissolve the gelatin. Sprinkle selected dry fish foods in an ice cube tray or sheet pan, then pour the gelatin mix over it. Put in the refrigerator for an indefinite period. The gelatin will not dissolve at normal temperatures...the fish will have to pick at it. No surplus is released in the water and it keeps them busy. They will eventually eat the gelatin too and it's good protein! Try this for feeding while you are on vacation or attending a show for the weekend.

From-Alaskan Aquarium Assoc.

## SACRAMENTO GUPPY BREEDERS ASSOCIATION

IFGA 7 POINT SHOW

JULY 30-31, 1977

LOCATION: Country Club Plaza, SE corner of El Camito and Watt Ave, Sacramento, CA

SCHEDULE:	Sat., July 30	Sun., July 31
	9 AM- Noon- Benching	1 PM- Trophy Awards
	1 PM- 5 PM- Judging	2 PM- Auction
	7 PM - Social Hour	5 PM- Debenching
	8 PM - Awards Banquet	

## GENERAL RULES:

1. All entries must be registered by Noon, July 30, 1977.
2. All entries must have been born and raised in exhibitors tanks.
3. Fish will be judged visually by a group of judges in accordance with the IFGA standards. A 75 watt incandescent flood light will be used during judging. Uniform black backgrounds throughout. The decision of the judges will be final.
4. Exhibitor will determine classification of entry. Assistance in classification will be available at the time of registration. No gravel, greens, or decorations may be used with entry.
5. The novice class is open to any exhibitor whose fish have never won 1st place in any open IFGA competition.
6. No fish shall be removed from the show prior to the close of the auction or 5 PM, whichever comes first. SGBA MEMBERS WILL REMOVE FISH FROM THE DISPLAY AND RETURN THEM TO EXHIBITORS. No exhibitor will be allowed to remove any fish from the show bench.
7. Every precaution will be taken to prevent the loss or damage of any fish, but neither SGBA nor Country Club Plaza can assume responsibility for loss or damage to any entry.
8. No entry fees will be refunded after fish are benched.
9. This show is open to anyone, as long as IFGA rules are followed.

## AUCTION & FLOOR SALES:

1. The auction is limited to entries coming from at least 200 miles away.
2. Eligible exhibitors wishing their fish auctioned should so specify in the space provided on the entry form.
3. Fish to be auctioned shall be clearly marked following judging.
4. SGBA will retain 25% of all floor sales and auctioned fish.

## SHIPPING & MAILING:

1. IMPORTANT- ALL shipped-in entries must be received by noon on Friday, July 29 (PST). Late arrivals CANNOT be picked up at the airport. No collect shipments will be accepted. Return fare must be included if fish are to be returned, otherwise fish will be auctioned. All entry fees must be prepaid.

# SGBA RULES.....

## SHIPPING & MAILING

2. AIR FREIGHT- Ship to SACRAMENTO METROPOLITAN AIRPORT. Mark clearly "CALL ON ARRIVAL"-916-725-3741 or 916-726-5373. Be sure to schedule your shipment to arrive in Sacramento in time for the final pick-up at noon on Friday, July 29. To make sure your fish are picked up as soon as possible after arrival, please send advance notice as to arrival time.
3. AIR MAIL SPECIAL DELIVERY- Send to George Chin, 6900 Gumwood Circle, Citrus Heights, CA, 95610.
4. Be sure all fish are marked as to class and breeder. Please include names and addresses of all breeders in group shipments. Please specify if fish are to be returned (fare included), auctioned, or etc.

## ENTRY FEES

1. All entry fees must be prepaid.
2. No entry fees will be refunded after fish are benched.
3. Single entries-\$1, Tank entries-\$2, Breeder entries-\$3.

AWARDS- Rosettes for all 1st places...Award cards for 1st-4th places.  
Trophies for Best of Show...Rosettes for 2nd-4th B.O.S.

ACCOMMODATIONS AND AWARDS BANQUET- Rooms are available at the Golden Tee Inn, 3216 Auburn Blvd, Sacramento, CA. Rates are \$12.00 singles and \$14.00 Doubles. (Color TV and swimming pool). The Awards Banquet will be held Sat. 8 PM at the Golden Tee Restaurant. Social hour statting at 7 PM- no host bar. Dinner per person will be \$7.00...Steak dinner with soup, salad, tip and tax included. SGBA invites all IFGA members to our hospitality room at the motel after the Awards Banquet. For your comfort and our peace of mind, your advance reservations for rooms and dinner are requested. We will try to accomodate all last minute requests but cannot guarantee staying at the same motel or a ticket to the Banquet.

TRANSPORTATION\_ SGBA will attempt to arrange transportation from and to Sacramento Metropolitan Airport, if advance notification of arrival and departure times are given in advance. (Airport to Motel- over 20 miles)

## FOR FURTHER INFORMATION CONTACT:

### SHOW CHAIRMAN

George Chin  
6900 Gumwood Circle  
Citrus Heights, CA 95610  
916-725-3741

### PRESIDENT

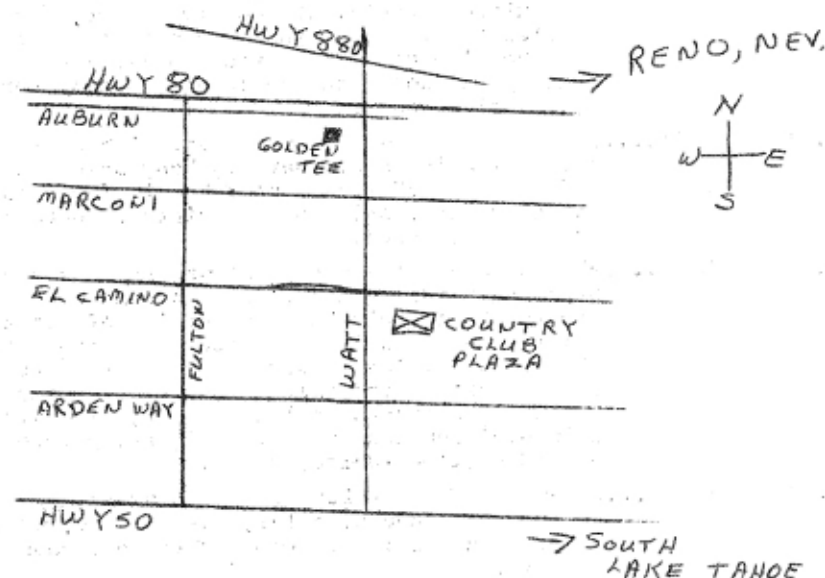
Loretta North  
7212 Cross Dr.  
Citrus Heights, CA 95610  
916-726-5373

SEE MAP NEXT PAGE.....

# SGBA RULES.....

## 70 CLASSES

TANK	DELTA	VEIL	FEMALES
Red ***	Red	Red	Red
Green	Blue	Blue	Bl/Green
Black	Green	Green	Black
Multi	Black	Black	Gold
AOC	Multi	Multi	Albino
Yellow	AOC	AOC	H/B Red
Purple	Yellow	Yellow	H/B AOC
H/B Red	Purple	Purple	AOC
H/B Blue	H/B Red	H/B Red	Novice
H/B Pastel	H/B Blue	H/B Blue	<u>COMBINED</u>
H/B AOC	H/B Pastel	H/B Pastel	Gold
Novice	H/B AOC	H/B AOC	Albino
Bronze	Novice	Novice	Red Bicolor
Snakeskin Sol.	Bronze		Blue Bicolor
Snakeskin Var.	Snakeskin Sol.		AOC Bicolor
Gold	Snakeskin Var.		<u>BREEDER MALES</u>
Albino			All colors combined
Swordtail-Sngl	<u>MISCELLANEOUS</u>		<u>BREEDER FEMALES</u>
Swordtail-Dble	Swordtail- Single		All colors combined
Red Bicolor	Swordtail- Double		
Blue Bicolor			
AOC Bicolor			
Blue **			





## THE TEN COMMANDMENTS\*

by Tom Allen, GAIC

1. Thou shalt...initiate your breeding program by learning as much about guppies and their breeding habits as you can possibly. This knowledge can generally be obtained by reading articles, asking questions of others involved in the hobby, and genetic experimentation (note that too much experimentation can turn a good thing into a complete disaster very quickly).
2. Thou shalt....obtain the best breeding stock available to you. The old adage of "a sick purse from a sow's ear" has no place in guppy breeding. Choose the source of your initial stock carefully—pay the price for a good reputation as it will pay off in the long run.
3. Thou shalt...maintain enough tank space under the proper conditions to further propagation of the strain. This means a weekly maintenance schedule including a 25-30% replacement of the tank water. Overcrowding is the most difficult and serious bad habit for guppy breeders to break.
4. Thou shalt....keep but one dropping of fish per tank letting the size of the fish and the size of the litter determine the size of the tank. Mixing fish of differing ages and parentage will do nothing to help your breeding program.
5. Thou shalt....cull heavily. Bent spines and the other physical deformities, runts, off-colored males, and excess females (or males if you're breeding for females) must be eliminated from your tanks. They only take up valuable tank space and usually serve no practical purpose.
6. Thou shalt....feed a minimum of 5 times a day with at least one meal being newly hatched baby brine shrimp and a second of frozen beef heart. The remaining meals should consist of a variety of good commercial dry foods.
7. Thou shalt....always select the very best male(s) for your breeding program taking into account body size and thickness, size and conformity of finnage, color, and overall symmetrical appearance of the fish. Females should be chosen for overall body thickness and size and color of finnage. It has been proven that the short, stumpy (not deformed) females throw the highest percentage of wide-tailed (delta) males.
8. Thou shalt....breed with a definite goal in mind such as improvement of caudal color, dorsal size, etc. Haphazard goals will get you nothing but haphazard results.

## TEN COMMANDMENTS.....

9. Thou shalt...keep accurate records of past successes and failures. Information on each strain, dropping, each cross, etc., can be invaluable in the future.
10. Thou shalt...be patient if the results of your program are not immediately gratifying to you. Professional breeders sometimes search for years for the right combination of strains which produce the 'super gups' they are noted for.

## \*OF GUPPY BREEDING

\*\*\*\*\*

GUPPY ASSOCIATES OF GREATER CLEVELAND  
MAY 14-15, 1977 IFGA SANCTIONED 7 POINT SHOW 589 ENTRIES  
JUDGES: D. Craft, Pop Morgan, S. Shubel, E. Shubel, S. Hull, A. Hull,  
D. Saurers,  
ASS'T JUDGES: B. Illig, T. Wasyluk, A. Kovacs, B. Brandeberry,  
J. Woodruff, T. Lobello, D. Grigg, A. Mueller, M. Craft  
T. Allen, P. Allen  
OBSERVERS: R. Case, J. Kovacs, B. Hanna, P. Fortner, J. Helgers,  
E. Golimowski, D. Arms, V. Golimowski, W. Tedrich, M. Tedrich,  
M. Arms, W. Kontor, J. Campbell, F. Orteca, J. Brown,  
R. Pontau, B. Secroft, T. Barchalk

## BEST OF SHOW

(Blue Delta) (H/B Red D.) (Red D.) (AOC Bi D.)  
MALES: 1. S. Shubel 2. L. Wasserman 3. J&S Woodruff 4. F. Orteca  
(Bl/Gi) (AOC) (Black) (Gold)  
FEMALES: 1. A&V Gonzalez 2. E. Golimowski 3. A&V Gonzalez 4. D. Saurers  
(Blue) (H/B AOC) (Green) (Black)  
TANK: 1. S. Shubel 2. M. Lastella 3. M. Lastella 4. L. Wasserman  
BREEDER (6)  
MALE 1. S. Shubel 2. F. Orteca 3. F. Orteca 4. L. Wasserman  
BREEDER (10)  
FEMALE 1. D&M Crabtree 2. D&L Grigg 3. D&M Crabtree 4. A&V Gonzalez

	TANK	DELTA	VEIL
RED:	1. J&S Woodruff(16) 2. J&S Woodruff 3. D&L Grigg 4. A. Ahrenholz	J&S Woodruff(20) D&L Grigg D&L Grigg J&M Walker	J&S Woodruff(16) J&M Walker J&M Walker F. Orteca
BLUE:	1. S. Shubel(9) 2. S. Shubel 3. S. Shubel 4. S. Shubel	S. Shubel(13) S. Shubel S. Shubel S. Shubel	S. Shubel(13) S. Shubel S. Shubel B. Hanna

## GAGC RESULTS.....

	TANK	DELTA	VEIL
GREEN:	1. M. Lastella (6) 2. M. Lastella 3. L. Wasserman 4. L. Wasserman	B. Hazzard (7) M. Lastella B. Hanna L. Wasserman	M. Lastella (10) M. Lastella B. Hazzard B. Hazzard
BLACK:	1. L. Wasserman (4) 2. L. Wasserman= 3. B&J Orth 4. H. Coren	R&L Williams (5) B&J Orth A. Kovacs H. Coren	R. Pontau (8) L. Wasserman B&J Orth B&J Orth
GOLD:	1. Disq. (1) 2. ----- 3. ----- 4. -----	L. Wasserman (4) D. Saurers D. Saurers Disq.	S. Shubel (7) T. Barchalk K&K Griep T&S Wasylink
PURPLE:	1. T&P Allen (8) 2. B. Hoitt 3. T&P Allen 4. T&P Allen	D. Croteau (11) B. Hoitt T&P Allen T. Barchalk	T&P Allen (5) T&P Allen T&P Allen H&C McCorkle
YELLOW:	1. B. McGovern (3) 2. B. McGovern 3. B. McGovern 4. -----	B. McGovern (4) T&S Wasylink Disq. Disq.	T&S Wasylink (7) B. McGovern B. McGovern T. Barchalk
MULTI:	1. R. Szydlak (8) 2. R. Szydlak 3. J. Horan 4. E&C Porter	R&L Williams (16) D&L Grigg D&L Grigg R. Szydlak	R&L Williams (8) D&L Grigg E&C Porter R. Szydlak
AOC:	1. B&J Orth (3) 2. B&J Orth 3. B&J Orth 4. -----	E. Golimowski (7) E. Golimowski B&J Orth Disq.	E. Golimowski (7) B&J Orth T. Barchalk B&J Orth
SNAKE SOLID:	1. W&M Brandeberry (4) 2. W&M Brandeberry 3. W&M Brandeberry 4. W&M Brandeberry	L. Wasserman (5) W&M Brandeberry T. Lobello W&M Brandeberry	W&M Brandeberry (6) D&M Crabtree J. Zelk W&M Brandeberry
SNAKE VAR.:	1. W&M Brandeberry (5) 2. J. Zelk 3. J. Zelk 4. D. Craft	T. Lobello (13) B. Hanna A&S Hull K. Morrissey	J. Zelk (8) B. Hanna J. Zelk J. Zelk
ALBINO:	1. J&M Walker (5) 2. J&M Walker 3. M. Lastella 4. J&M Walker	J&M Walker (3) J&M Walker J&M Walker -----	J&M Walker (7) T&S Wasylink T. Barchalk J&M Walker

## GAGC RESULTS.....

	TANK	DELTA	VEIL
H/B RED:	1. D. Epple (4) 2. L. Wasserman 3. L. Wasserman 4. T. Barchalk	L. Wasserman (12) L. Wasserman T. Barchalk D. Epple	M&H Jinkerson (7) M&H Jinkerson M&H Jinkerson A. Kovacs
H/B PASTEL:	1. T&S Swatkowski (10) 2. B&P Shaff 3. B&P Shaff 4. T&S Swatkowski	V. Piteo (9) T&S Swatkowski L. Wasserman B&P Shaff	J&M Walker (9) J&M Walker L. Wasserman B&P Shaff
H/B BLUE:	1. M. Lastella (3) 2. M. Lastella 3. T&S Swatkowski 4. -----	M. Lastella (7) M. Lastella D&M Crabtree B. Wafle	M. Lastella (8) M. Lastella R. Wagner R. Wagner
H/B AOC:	1. M. Lastella (9) 2. L. Wasserman 3. D&M Crabtree 4. G. Pauly	L. Wasserman (16) J. Rezutka M. Lastella G. Pauly	M. Lastella (8) J. Rezutka J. Rezutka R. Wagner
RED BICOLOR:	1. A.R. Mueller (7) 2. R.W. Stuart 3. A.R. Mueller 4. D. Weinzerl	E&C Porter (13) D. Weinzerl E. Golimowski A. Ahrenholz	A.R. Mueller (9) M. Behmer A.R. Mueller B. Wafle
AOC BICOLOR:	1. M. Lastella (7) 2. T. Barchalk 3. R&L Williams 4. H&C McCorkle	F. Orteca (11) M. Lastella M. Lastella= R. Szydlak	E&C Porter (11) L. Crilly J&S Woodruff E. Golimowski
	TANK	COMBINED	
SWORD:	1. D. Saurers (8) 2. B. Allen 3. J. Horan 4. J. Horan	J. Horan (5) B. Allen J. Horan D. Saurers	
BRONZE:	1. L. Wasserman (4) 2. J&M Walker 3. J&M Walker 4. J&M Walker	J&M Walker (6) L. Wasserman L. Wasserman J&M Walker	
NOVICE:	1. Larry Crilly (8) 2. Bob Newton 3. Bob Newton 4. Jon Curtis	Mariana Bermudez (5) Jon Curtis Ray Carden Jon Curtis	
FEMALES			
RED:	1. D. Polunas (15) 2. D. Polunas 3. A. Kovacs 4. J&S Woodruff	BL/GREEN: 1. A&V Gonzalez (14) 2. A&V Gonzalez 3. A&V Gonzalez 4. D&M Crabtree	



# GAGC RESULTS....

## FEMALES

BLACK:	1. A&V Gonzalez (17) 2. D&M Crabtree 3. T. Tedrich 4. A&V Gonzalez	AOC:	1. E. Golimowski (19) 2. M&M Golimowski 3. E. Golimowski 4. D&L Grigg
H/B RED:	1. Disq. (2) 2. DOB 3. ----- 4. -----	H/B AOC:	1. T. Barchalk (5) 2. D. Craft 3. B. Hanna 4. A. Kovacs
GOLD:	1. D. Saurers (12) 2. T&S Wasylink 3. D. Saurers 4. T. Tedrich	ALBINO:	1. T&S Wasylink (6) 2. T&S Wasylink 3. T&S Wasylink 4. T. Barchalk

## MAXI-MALE

1. Frank Orteca (5)
2. T&S Wasylink
3. Doug Williams
4. A.R. Mueller

\*\*\*\*\*

## HELPFUL HINTS

by Don Millée

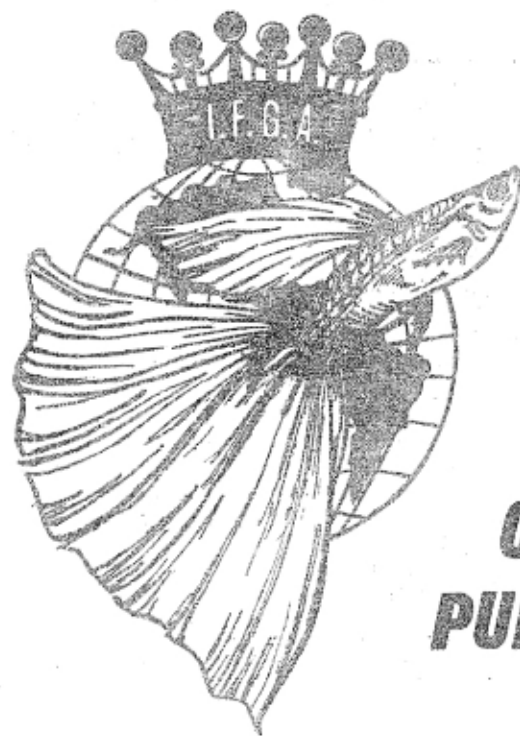
1. Plastic can often be dyed to match its surroundings. For instance, if you have a red background, you can dye your syphon tubes and air hoses a similar color so that they don't stand out against the background. To do this, get some RIT DYE or other suitable dye and dissolve it in a pot of hot water big enough to hold the objects you wish to color. Keep the solution hot and throw in your plastic tubes, etc. Check them occasionally because the longer they stay in the dye, the darker they will become. When you reach the desired shade, take them out, rinse, and then they're ready for use. Not all plastic will 'take'. Generally, the softer the plastic, the better it will dye. You may have to experiment a little to see what you can do.
2. Air hoses running through the middle of an attractive community tank are unsightly. To hide them, you can do the following: Go to your local fish shop and get some RIGID plastic air hose. Now light a candle and slowly rotate the plastic tube above the flame. The plastic will soften until it can be bent. When it cools, it will hold its shape. You may have to practice a little to make nice bends. Now you can run a rigid air hose down the corner of the tank (it won't show in the joint in the glass) and along the bottom of the tank, and have bubbles coming out of 'nowhere'. Use a little silicone to hold the tube in place. Connections can be made by slipping a piece of regular soft air hose onto the end of the rigid piece.

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## ACCREDITED IFGA JUDGES

- |  |   |
|--|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843           | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201      | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603               | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067               | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740           | 31. Dave Boone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843         | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713             | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204            | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reseda, CA 91335              |   |

**INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION**



**OFFICIAL  
PUBLICATION**



# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

<b>PRESIDENT:</b> John Wolcott 2112 Merritt Dr. Northfield, NJ 08225	<b>VICE PRESIDENT</b> Ted Lobello 50 Derby Lane Orland Park, IL 60462	<b>SECRETARY:</b> Mildred Craft 103 Lake Dr. SW Route 2 Pataskala, OH 43062
<b>TREASURER:</b> Tom Allen 304 Circle Ave. Lombard, IL 60148	<b>PARLIAMENTARIAN:</b> Jim Horan 12 Briarwyck Jacksonville, IL 62650	<b>OVERSEAS SECRETARY:</b> Mildred Craft 103 Lake Dr. SW Route 2 Pataskala, OH 43062

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<b>CHAIRMAN:</b> Stan Shubel 8715 Hidden Lake Dr. Howell, MI 48843	<b>MEMBERS (Addresses on back cover)</b> Midge Hill Mike Regent	<b>Milford Morgan</b> Don Craft
---	---	------------------------------------

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Rates are \$15 per year per club. For more information contact:  
Membership Chairman

# OFFICIAL BULLETIN of the INTERNATIONAL FANCY GUPPY ASSOCIATION

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#### FROM THE PRESIDENT

We have now passed the halfway mark of our show season for 1977. There has been very good interest in showing our guppies. New names appear each month on the winners lists. Lets keep up the good work.  
\*\*\*\*\*

The East Coast Show was a real success. About 29 Guppy Enthusiasts attended the seminar. We will now have 4 additional fully qualified judges and some new assistant judges.  
\*\*\*\*\*

Remember, after St. Louis in June it's on to Sacramento on July 30-31. They will be expecting some of our Eastern Guppies so lets help them out.  
\*\*\*\*\*

I received a very nice letter from the Deutsche Guppy Foderation of Germany. They are having a fancy Guppy Show. Fish must be in Berlin by September 28th. I will try and get a copy of their classes and let you know before September. The shipping address is:

Mr. Heinz-Gunther Voigtlander

Halomweg 18

1000 Berlin 13 (West Berlin)

Call on Arrival: 380 52 67 or 334 69 13

If you intend to show you should let the people know.  
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See you all in Fort Wayne August 13-14.....

Regards, 

#### EDITORIAL

Last month was to have been the first issue to be mailed by second class postage. After nearly a year of frequent trips to the main branch of our post office and even more frequent phone calls to the "supervisor in charge of mailing permits", we thought we were finally ready for launching. We were told of the changes in our statemet of purpose which had to be made---we did that. We were told to file a form with the IRS which was 14 pages long---we did that. Next we were to file a form with the Federal Post Office which would let us know if we were eligle for the low cost non profit mailing---we did and we were! We had to have all our subscriptions broken down into individual zip codes---we did that too.

All that remained was to set up the heading as we did in the last issue above the index, file a \$30. permit fee and two coppies of the Bulletin-----great, we figured the tremendous savings would make all the extra work and trouble well worth while. Last month I took what I hoped would be my last trip to the 3rd floor of our downtown post office. With my two copies of the Bulletin,

#### EDITORIAL.....

\$30, and my "distribution sheet" hot in hand, I walked into "madam supervisor's office and she said, "Oh, these have to be off set printed, not mimeoed. I thought you knew that." Just how I was to have known that is beyond me. It seems she might have taken the precaution to mention it to me just in case I didn't already know it!

So, here we are back to using 3rd class rates and wondering if a carrier pigeon could fly carrying a 3-4 ounce Bulletin.

We have had numerous complaints from people who have not been receiving their Bulletin. Some could be explained by subscriptions expiring without the person being aware of it. But the large majority have no logical rhyme or reason. We blamed many of them on the old addressograph which was a disaster to use and never printed very well. We figured the post office would dead la letter some of them rather than develop eye strain trying to read the envelopes. Since we do not guarantee return postage they are not obligated to return them to us.

This past month we used a new machine which we may purchase. It prints very nicely. The June issue was mailed the day after Memorial Day. As of the East Coast Show June 11-12, some people still haven't received their Bulletins. I think most of these were third class subscriptions and they do take a lot longer. What with rising costs of printing materials and postage, we want to find the most economical way of handling things without sacrificing good service.

In this issue is a 'tear out'. Please fill it in and return it to us as soon as you redeive your copy. We would like to have a report compiled before the August meeting in Fort Wayne. Your cooperation will be greatly appreciated. Thanks.

Sharon Woodruff  
MVGA  
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#### PROFILE ON THE EXPERTS.....

Don Craft

I'm sure all of the delegates are familiar with Millie and Don Craft. Millie has served as IFGA Secretary since 1975. Last year Don was selected to serve on the Judging Board.

The Crafts have two grown sons, a new puppy, and two very jealous cats.

Since 1987 when they began showing guppies, they have tried to attend about 1/2 of all the IFGA Sanctioned Shows and ship to several more.

Reds are Don's favorite color strain with blues and snakeskins and half black reds running a close second. Don also keeps discus and cat-





## EXPERTS.....

fish. The Crafts have come a long way from 1 small goldfish bowl to the 50 tanks they have now:

We started this hobby about 10 years ago through the interest stimulated by our younger son winning a couple of goldfish at a PTA Bazaar. As his interest developed into other varieties of tropical fish I became interested in guppies. Watching a dime store purchased female drop her young and seeing them scurry for protection in some water sprite farther heightened our interest and we attempted to raise the fry into big, beautiful guppies. Needless to say, with our limited knowledge at this time we did not know what a real show guppy looked like, let alone know how to raise them to their full potential. It was after seeing the many tanks of beautiful guppies of the late Dick Eiseman that I really got enthused and through his encouragement joined Guppy Associates of Greater Cleveland. Then I started to learn what it was all about. Through Dick and some other club members I was able to get strains of good guppies and learn the techniques of raising them. It became a family project with Paul, our younger son, raising golds, Millie raising blues, and me raising reds. As the number of tanks grew, so did our expertise.

Breeding techniques vary with individual people and choosing the proper parents for your future prize winners is not easy. To do it genetically involves many tanks and a tremendous amount of culling. Generally, I rely on instinct and the conformation and coloring. For the novice, seek help from someone who has worked with the particular line of fish you are trying to raise because there is no substitute for experience.

Briefly, my techniques are these: I raise the fry in 3 or 5 gallon tanks for the first month. This is for a dropping of 45 or less. If you have a large dropping of 90 or over, separate them into two tanks by three weeks of age. For the first 6 weeks keep the temperature of tank water about 78°F and feed live brine shrimp twice daily with light alternate feedings of fine dry food. Syphon off 25% of tank water weekly and replace with water of the same temperature. As the fish grow I try to separate them into ten gallon tanks- aiming at about 20 per tank. I do not completely sex my fish but like to keep 3 or 4 females with the best males. This seems to keep them more active and healthy.

For beginners in this hobby my first suggestion is to have patience. Join a guppy group and visit with as many breeders as you can.....observe their techniques and ask questions. Pay attention to details even if they seem insignificant at the time. While no two guppy breeders do everything exactly alike, if you are observant you will pick up ideas you can incorporate into your schedule and program.

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*Good Luck in Sacramento!!*

## PEASE OFFERINGS

by Damaris Pease

Note: Damaris Pease writes a regular column in one of the Exchanges we receive. This month's seemed interesting to you do-it-yourselfers!

Obviously, filling aquariums consumes a good portion of the tank maintenance process, particularly if you subscribe to the concept of major water changes frequently (75%-85% every 2 weeks). Many of us have a limited amount of time to give to our hobby and are constantly faced with a time limit when we are tempted to add "one more tank and this is my last!". One of the tantalizing aspects of cutting the maintenance time is that any time saved might mean the addition of another tank or two, thus increasing our personal satisfaction in participating in the hobby. Apparently I am not alone here in the hinterland of mid-America in my continuing efforts to find efficient means of filling tanks. It's gratifying to learn from your letters that other ALA hobbyists have experienced this challenge. What is even more gratifying is to know that some of you enterprising hobbyists have stretched imagination and ingenuity to come up with some very interesting devices and techniques for filling tanks effectively and quickly.

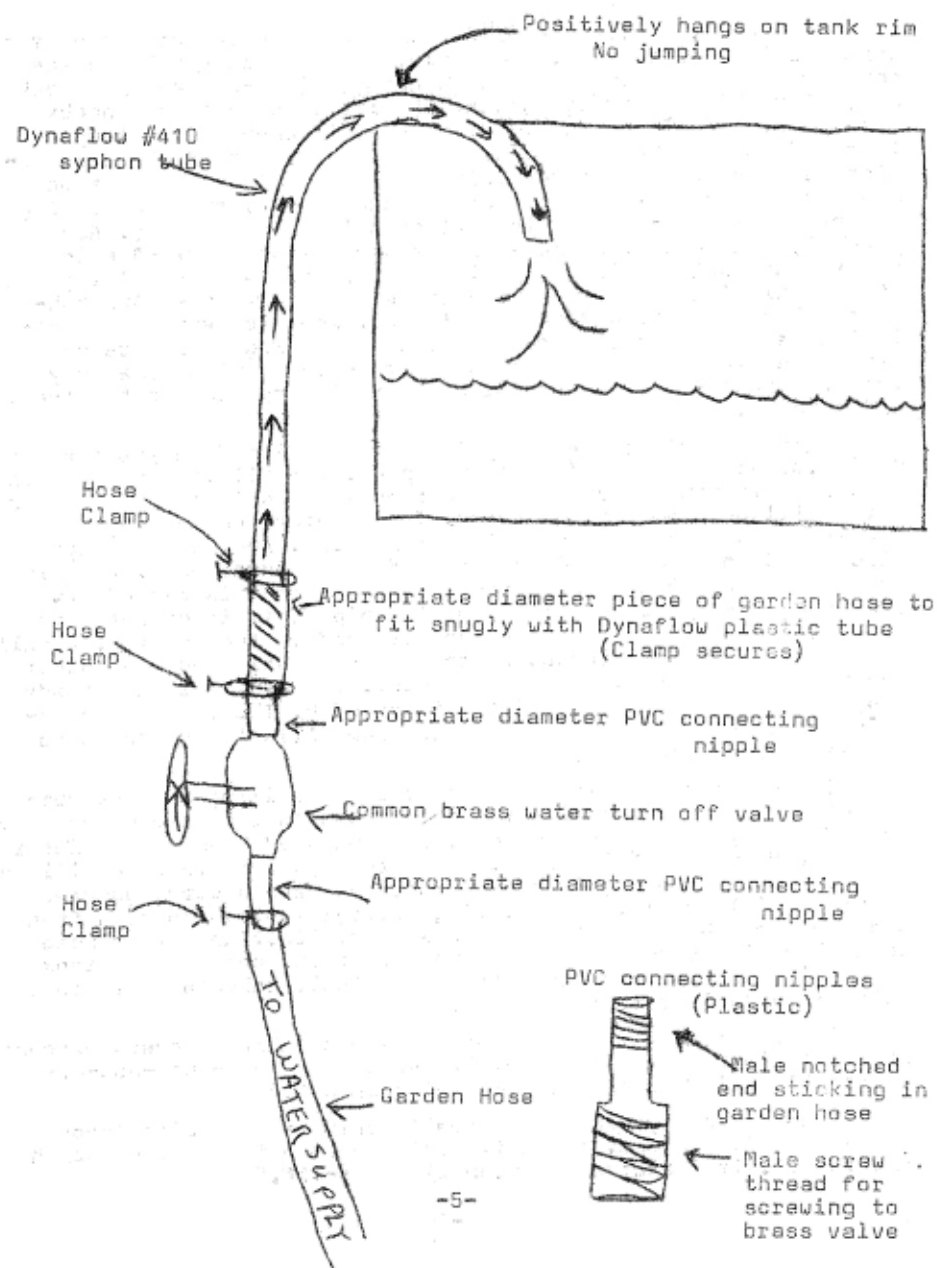
Dick Varlett from Ankeny, Iowa has developed an interesting device, constructed of 3/4 inch PVC pipe, for filling tanks. Using a 10 inch length of PVC pipe he attaches a 3/4 inch T to one end which will be placed in the tank. To the other end he cements a 3/4 inch elbow at a right angle to the pipe. Another 3/4 inch elbow is joined to the first one to form an inverted U. A 4 1/2 inch section of PVC pipe is cemented to the end of this second 3/4 inch elbow. A 3/4 inch female adapter pipe unit is cemented to the PVC pipe and a shut-off valve attached to the adapter. Finally, the garden hose is attached to the shut-off valve and the other end of the hose attached to the faucet. The device is now ready to hang on the tank by means of the inverted U. The T end goes inside the tank and releases a gentle flow while the garden hose end is outside the tank.

Two other suggestions for devices for filling a large number of tanks without having to stand and hold the hose comes from Doug Werbeck, another ALA member, from Maywood Fish Farms, Ruskin Florida. He writes, "I read with interest your article on filling tanks. Naturally being in the business we have several hundred tanks to fill weekly. After trying several systems ranging from a human hand holding a hose to a special Tibetan garden hose knot which is supposed to hold the end of the hose in the tank 'just so', we have come up with two, I feel, unbeatable systems which I would like to pass along."

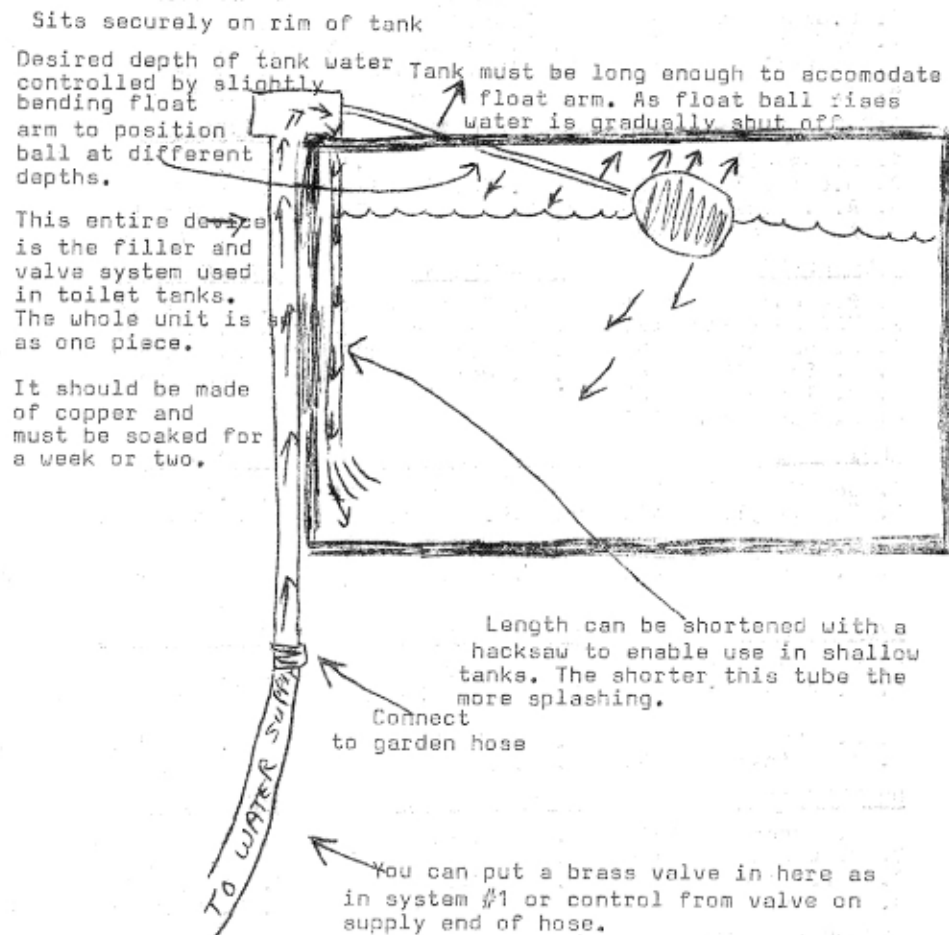
"The first system utilizes items available at every hardware store and is easily assembled. It features a 'non-jump-out-of-the-tank' filler nozzle with manual turn off."

"The second system can generally only be used with larger tanks over 15 gallons, but ultimately dependent upon tank depth and length. It features an automatic shut-off."

COMPLETELY ADJUSTABLE FLOW RATE WITH POSITIVE TURN OFF #1  
TOTAL COST= ABOUT \$6.00



AUTOMATIC TURN OFF SYSTEM #2 Tank will fill by itself and turn off  
TOTAL COST=ABOUT \$10.00





## IFGA POINT STANDINGS AS OF MAY 18, 1977

<u>RED CLASS</u>	<u>PTS</u>	<u>BLUE CLASS</u>	<u>PTS</u>	<u>GREEN CLASS</u>	<u>PTS</u>
1.J&M Walker 1274		1.Stan Shubel 1106		1.L. Wasserman 1512	
2.J&S Woodruff 1092		2.G. Parrish 474		2.M. Lastella 1302	
3.A. Ahrenholz 588		3.B&H Lapp 434		3.J&M Walker 308	
4.A.R. Mueller 196		4.B&J Orth 336		4.B. Hazzard 252	
<u>BLACK CLASS</u>		<u>MULTI CLASS</u>		<u>AOC CLASS</u>	
1. L.Wasserman 1768		1. R.Szydluk 1456		1. B&J Orth 1554	
2. B&J Orth 896		2. J. Horan 1246		2. E.Golimowski 532	
3. A. Prall 462		3. R&L Williams 504		3. D. Han 476	
4. H. Coren 336		4. D&L Grigg 210		4. R. Szydluk 140	
<u>BICOLOR CLASS</u>		<u>PURPLE CLASS</u>		<u>SNAKESKIN CLASS</u>	
1. R. Szydluk 3556		1. T&P Allen 1414		1. J. Zek 1918	
2. M.Lastella 756		2. G. Parrish 1162		2. W&M Brandeberry 1890	
3. A.R. Mueller 700		3. B. Hoitt 784		3. G. Parrish 1190	
4. F. Orteca 602		4. H&C McCorkle 154		4. M. Regent 420	
<u>GOLD CLASS</u>		<u>YELLOW CLASS</u>		<u>BRONZE CLASS</u>	
1. B&H Lapp 1106		1. B. McGovern 1442		1. J&M Walker 1442	
2. T&S Wasylink 490		2. G. Parrish 448		2. L.Wasserman 966	
3. D. Saurers 308		3. T&S Wasylink 294		3. R. Yater 462	
4. R. Szydluk 140		4. J. Wolcott 210		4. B&E Brunton 126	
4. J. Thale 140					
4. L. Wasserman 140					
<u>ALBINO CLASS</u>		<u>SWORDTAIL CLASS</u>		<u>H/B AOC CLASS</u>	
1. J&M Walker 1876		1. J. Horan 1782		1. M. Lastella 1456	
2. T&S Wasylink 490		2. J.P. Schroeder 872		2. L. Wasserman 756	
3. M. Lastella 420		3. D. Saurers 546		3. D&M Crabtree 392	
4. D. Han 210		4. L. Allen 406		4. M. Regent 322	
				4. J. Rezutka 322	
<u>H/B RED CLASS</u>		<u>H/B PASTEL CLASS</u>		<u>H/B BLUE CLASS</u>	
1. L.Wasserman 1820		1. G. Parrish 1064		1. M. Lastella 1638	
2. T. Archbold 630		2. T&S Swatkowski 882		2. T&S Swatkowski 532	
3. D. Epple 476		3. J&M Walker 462		3. G. Wachter 378	
4. M&H Jinkerson 308		4. F. Jamiol 406		4. B. Hazzard 266	
<u>BREEDER MALE</u>		<u>BREEDER FEMALE</u>		<u>H/B FEMALE</u>	
1. F. Oteca 1330		1. E.Golimowski 1134		1. T. Archbold 280	
2. M. Lastella 1190		2. D&M Crabtree 924		2. M&H Jinkerson 266	
3. L.Wasserman 980		3. D&L Grigg 378		3. D&M Crabtree 140	
4. S. Shubel 700		4. A. Kovacs 252		4. R. Puckett 112	
<u>BL/GREEN FEMALE</u>		<u>RED FEMALE</u>		<u>AOC FEMALE</u>	
1. J. Horan 392		1. D. Polunas 476		1. E.Golimowski 350	
2. A&V Gonzalez 364		2. E.Golimowski 210		2. J. Horan 126	
3. D&M Crabtree 154		3. M&H Jinkerson 112		3. M&M Golimowski 112	
4. A. Kovacs 70		4. M. Marvin 56		4. D&M Crabtree 98	
		4. J&S Woodruff 56			

## STANDINGS.....

<u>GOLD FEMALE</u>	<u>PTS</u>	<u>BLACK FEMALE</u>	<u>PTS</u>	<u>ALBINO FEMALE</u>	<u>PTS</u>
1. D. Saurers	518	1. A&V Gonzalez	504	1. T&S Wasylink	770
2. B. McGovern	84	2. H. Coren	168	2. T. Barchalk	518
2. T&S Wasylink	84	3. D&M Crabtree	112	3. D. Han	42
4. T. Barchalk	70	4. B&J Felinski	56	3. J&M Walker	42
<u>FEMALE GRAND</u>	<u>PTS</u>	<u>MALE GRAND</u>	<u>PTS</u>		
1. Eugene Golimowski	1190	1. Lou Wasserman	5670		
2. A&V Gonzalez	1050	2. Mike Lastella	5180		
3. D&M Crabtree	875	3. Glen Parrish	3995		
4. Don Saurers	420	4. Stan Shubel	2240		
5. M&H Jinkerson	350	5. J&M Walker	1750		
5. T&S Wasylink	350	6. Rich Szydluk	1570		
7. Jim Horan	315	7. Jim Horan	1190		
7. David Polunas	315	8. Frank Orteca	1120		
9. Alex Kovacs	245	9. B&H Lapp	910		
10. Ted Archbold	210	10. W&M Brandeberry	770		
10. Terry Barchalk	210	10. T&S Wasylink	770		
10. D&L Grigg	210				

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## HYDROGEN PEROXIDE

by Everett Gold

In the March 1977 issue of the IFGA publication, I read an article about the possible help that hydrogen peroxide could be to anyone shipping fish in a closed container.

This article closed with the warning about the convenience of using hydrogen peroxide to increase the dissolved oxygen and also cautioned about knowing the proper dosage, ending with quote "Experiment First".

Sooooooooooooo.....

On April 9, 1977, I started my experiment with 6 plastic bags measuring 5 1/2" wide and 12" long into which I poured 8 oz. of water from the aquarium from which I took 6 three month old female guppies. I put one of these fish into each of the bags and labelled each bag with the amounts of hydrogen peroxide that was added to the bag. Bag #1 was a closed WITHOUT any hydrogen peroxide.

Bag #2	11	11	2	12	12	12
Bag #3	11	11	4	12	12	12
Bag #4	11	11	6	11	12	12
Bag #5	11	11	8	11	11	12
Bag #6	12	11	10	11	11	12

All bags of fish were blown up with an air line tube from the compressor, the bag was twisted at the top and secured with a rubber band and placed inverted into a net which was suspended at approximately the level of the eye and NOT peopened until the end of the experiment. The temperature of the room was a fairly constant 80°.

$$\text{H}_2\text{O}_2 \rightarrow \text{H}_2\text{O} + \text{O}_2$$

I spoke to quite a few people about this, and quite a few people viewed this experiment as it progressed. The fish were also seen by most of our club members on the last day before disposal.

After 36 days of confinement each fish was still alive and the bag was opened. The fish naturally lost weight and size and the water from each bag smelled "fishy", but there wasn't any strong objectionable odor.

.....  
Sooooooooooooooooooooo .....

Do we really need Hydrogen Peroxide???

[illegible]

GUPPY HALL OF FAME

The Guppy Associates International of Chicago are seeking your cooperation in finding qualified individuals to be elected to the Guppy Hall of Fame.

WE would like each club to nominate any person they feel is worthy to receive this honor. A list of those already entered into The Guppy Hall of Fame is included below to avoid nominations of existing members.

All nominations should be made in writing and should include a brief summary of the person's accomplishments. The nominations should be sent to:

Guppy Associates International of Chicago  
% Bob Schneider  
4444 West 124th Street  
Alsip, IL 60658

These nominations should be recieved no later than September 15, 1977.

Thank you for your cooperation.

GUPPY HALL OF FAME MEMBERS

Paul Hanhel  
William A. Sterneke  
Frank Alger  
Larry Konig  
Dr. Abbs  
Dr. Myron Gordon  
Dick Eisenmann  
Ken Asmus  
Bob Bahrer  
Lechmore Guppy  
F. Roy Hazel  
Br. Eugene C. Larr  
Ethel Shubel

Leon Whitney  
Peter Hutter  
Frank Samp  
Stanley Mruk  
John Rudock  
Edward Hazel  
J. Harry Matson  
Stan Shubel  
Midge Hill  
Pop Morgan  
Emery Mann

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

SECRETS YOUR GUPPIES DON'T TELL- Part 2  
Secrets of the Food Channel

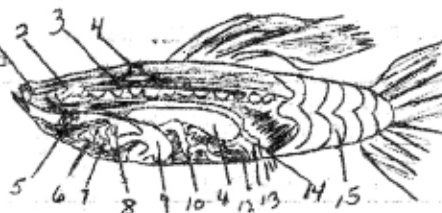
by Midge Hill

The food canal runsthrough the guppy body from the mouth to the vent. Since the guppy has no other tool with which to hold, catch, or tear apart its food, its mouth is highly adapted to serve its feeding needs. Being a surface eater primarily, it has an up-turned mouth supplied with teeth at the roof of the mouth as well as in the jaws. Behind the tongue is the short esophagus which leads to the stomach. Food being digested moves from the stomach through the curving intestine and finally to the anal vent. Digestion, aided by the liver, is rapid.....which explains why a guppy can have a voracious appetite again very shortly after eating.

In seeking food, the guppy relies far more on the sense of smell than on sight. The acute sense of smell is based in a pair of small pits opening to the outside of the snout. The interiors of these pits are lined with folded walls, providing a maximum of absorptive surface containing nerve cells that communicate smells to the brain via olfactory tracts. As this equivalent of a nose is not connected in any way with the mouth, a guppy's smell and taste organs are not mixed, allowing a much higher sensitivity than we have with our connected system. Fish are extremely sensitive to fear-inducing odors.....especially to the fear inducing odors of their own kind, even when diluted tremendously.

Because the senses of taste and smell are not mixed, guppies have a much higher taste sensitivity than we do. Many experiments have proven that fish are often many times more sensitive to sweetness or bitterness than are humans. Living in water, fish are literally surrounded by taste sources and life must be one continual source of flavors. Not having to rely on saliva for the necessary moisture, taste cells can be found on many parts of the fish body. They can be located in the mouth, but are also found on the lip, in the throat, in the skin of the head....in fact, there is hardly a place on a fish's body where taste cells have not been found on one fish or another. Apparently, however, the power of taste are stronger within the mouth than in taste cells located elsewhere....which is why a guppy will greedily gulp a bit of food but spit it out after contact with the taste buds in the mouth....much as you or I would.

- 
1. Olfactory  
2. Brain  
3. Spinal cord  
4. Vertebrae  
5. Gill slits  
6. Heart  
7. Liver  
8. Esophagus  
9. Stomach  
10. Intestines  
11. Air bladder  
12. Spermaries  
13. Kidney  
14. Urogenital pore  
15. Muscle segments





The excretory processes of the guppy include the functions of the kidneys, spleen, and bladder. The kidney filters the blood and sends the waste on to the bladder which discharges it through the urogenital pore located just behind the anus. Waste gasses are carried by the blood stream to the gills for release from that point into the water. The spleen helps to purify the blood. Movement of matter from the mouth through the stomach and intestines can be so rapid that food such as brine shrimp can be released through the vent undigested.....dead only due to suffocation..... and many a tubifex worm has made the trip unscathed and still wiggling!

reprinted -Guppy Roundtable  
2/71

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# EAST COAST GUPPY ASSOCIATION

JUNE 11-12, 1977 7 POINT SHOW 652 Entries

JUDGES: J. Wolcott, S. Shubel, T. Allen, J. Rezutka, T. Lobello,  
T. Wasylink, M. Regent, D. Hirth

ASS'T JUDGES: J. Woodruff, F. Jamiol, M. Lastella, S. Woodruff,  
C. McCorkle, V. Piteo, B. Hirth, R. Case, H. Lapp, L. Lapp

OBSERVERS: C. Harklerod, B. Grimestead, D. Grimestead, H. McCorkle,  
H. Johnson, F. Iorio, S. Chin, E. Chiasson, A. Averys,  
J. Cashel, M. Tapia, J. Gomez

## BEST OF SHOW

TANK: (Blue) (H/B AOC) (Purple) (Snakeskin)  
1. S. Shubel 2. M. Lastella 3. R. Iorio 4. R. Iorio

MALE: (Blue) (H/B Red) (Purple) (H/B AOC)  
1. S. Shubel 2. L. Wasserman 3. R. Iorio 4. M. Lastella

FEMALE: (Black) (AOC) (Red) (Bl/Green)  
1. A&V Gonzalez 2. E. Golimowski 3. E. Golimowski 4. J. Wolcott

BREEDER (6)  
MALES: 1. S. Shubel 2. F. Orteca 3. M. Lastella 4. M. Lastella

BREEDER (6)  
FEMALE: 1. E. Golimowski 2. E. Golimowski 3. J. Store 4. D&L Grigg

	TANK	DELTA	VEIL
RED:	1. J&M Walker (13) 2. A. Berg 3. J&S Woodruff 4. J. Magnifico	A. Ahrenholz (27) J&S Woodruff J&M Walker L. Wasserman	J&M Walker (9) J&M Walker J&S Woodruff L. Wasserman
BLUE:	1. S. Shubel (10) 2. S. Shubel 3. S. Shubel 4. S. Shubel	S. Shubel (22) S. Shubel S. Shubel S. Shubel	S. Shubel (11) S. Shubel S. Shubel S. Shubel

## ECCA RESULTS.....

	TANK	DELTA	VEIL
GREEN:	1. L. Wasserman (10) 2. L. Wasserman 3. F. Orteca 4. L. Wasserman	L. Wasserman (11) M. Lastella M. Lastella M. Lastella	M. Lastella (6) M. Lastella M. Lastella L. Allen
BLACK:	1. L. Wasserman (15) 2. A. Prall 3. L. Wasserman 4. B. Hoitt	A. Prall (18) A. Prall A. Prall L. Wasserman	L. Wasserman (6) B&J Orth Disq Disq
MULTI:	1. M. Lastella (8) 2. R&L Williams 3. R. Szydluk 4. R. Szydluk	R&L Williams (21) L. Vagaun D&L Grigg D&L Grigg	R&L Williams (8) R. Szydluk R. Larsen R. Szydluk
AOC:	1. B&J Orth (3) 2. B&J Orth 3. B&J Orth 4. -----	E. Golimowski (4) E. Golimowski J. McCarthy B&J Orth	B&J Orth (3) B&J Orth B&J Orth -----
PURPLE:	1. R. Iorio (13) 2. M. Lastella 3. T&S Wasylink 4. T&P Allen	R. Iorio (23) R. Iorio R. Iorio D. Croteau	T&P Allen (9) T&P Allen T&P Allen H&S McCorkle
H/B RED:	1. L. Wasserman (5) 2. D. Epple 3. L. Wasserman 4. T. Archbold	L. Wasserman (16) L. Wasserman L. Wasserman L. Leone	M&H Jinkerson (9) T. Archbold M&H Jinkerson T. Archbold
H/B BLUE:	1. M. Lastella (6) 2. M. Lastella 3. L. Wasserman 4. L. Wasserman	M. Lastella (11) L. Wasserman L. Wasserman M. Lastella	M. Lastella (8) M. Lastella M. Lastella T&S Swatkowski
H/B PASTEL:	1. T&S Swatkowski (12) 2. M. Regent 3. T&S Swatkowski 4. V. Piteo	L. Wasserman (20) T&S Swatkowski T&S Swatkowski V. Piteo	J&M Walker (13) J. Cashel J&M Walker F. Jamiol
H/B AOC:	1. M. Lastella (4) 2. M. Lastella 3. L. Wasserman 4. L. Wasserman	M. Lastella (12) M. Lastella M. Lastella L. Wasserman	J. Rezutka (6) M. Lastella M. Lastella J. Rezutka
RED BICOLOR:	1. R&L Williams (5) 2. C. Price 3. R. Szydluk 4. C. Price	L. Allen (6) E. Golimowski Y. Bermudez Y. Bermudez	R. Szydluk (2) L. Allen ----- -----

# ECGA RESULTS.....

TANK	DELTA	VEIL
BLUE 1. M. Regent (5) BICOLOR 2. F. Jamiol 3. F. Jamiol 4. G. Tapia	R. Szydlak (17) V. Stuart V. Stuart V. Stuart	M. Lastella (5) G. Tapia R. Szydlak R. Szydlak
GREEN 1. M. Lastella (4) BICOLOR 2. G. Tapia 3. B. Hanna 4. Disq	M. Lastella (16) M. Lastella T&S Wasylink V. Stuart	M. Lastella (9) B. Hanna B. Hanna B. Hanna
AOC 1. R. Szydlak (3) BICOLOR 2. R. Szydlak 3. R. Szydlak 4. -----	R. Szydlak (2) J. Wolcott ----- -----	E. Golimowski (3) Disq ----- -----
SNAKE 1. R. Iorio (11) SKIN 2. L. Wasserman 3. K. Morrisey 4. K. Morrisey	R. Iorio (19) J&M Magnifico R. Iorio K. Morrisey	M. Regent (10) M. Regent J. Zelk J. Zelk

TANK	COMBINED
YELLOW: 1. J. Wolcott (6) 2. B. McGovern 3. B. McGovern 4. B. McGovern	J&M Walker (9) J. Wolcott J. Wolcott B. McGovern
GOLD: 1. B&H Lapp (3) 2. B&H Lapp 3. B&H Lapp 4. -----	L. Wasserman (10) J&M Walker B&H Lapp B&H Lapp
ALBINO: 1. J&M Walker (5) 2. M. Lastella 3. T&S Wasylink 4. J&M Walker	J&M Walker (4) J&M Walker J&M Walker T&S Wasylink
BRONZE: 1. J&M Walker (5) 2. J&M Walker 3. L. Wasserman 4. J&M Walker	L. Wasserman (7) L. Wasserman J. Rezutka J&M Walker
SWORDS: 1. D. Saurers (4) 2. J. Horan 3. J. Horan 4. D. Saurers	J. Horan (3) L. Allen D. Saurers -----
H/B GOLD 1. L. Wasserman (2) 2. L. Wasserman 3. ----- 4. -----	L. Wasserman (4) L. Wasserman L. Wasserman Disq

# ECGA RESULTS.....

TANK	COMBINED
NOVICE: 1. W. Burke (1) 2. ----- 3. ----- 4. -----	F.J. Holste (13) F.J. Holste B. Newton J. Robles
FEMALES	
RED: 1. E. Golimowski (10) 2. J&S Woodruff 3. J&S Woodruff 4. D. Polunas	BL/GREEN: 3. Wolcott (12) E. Golimowski J. Horan A&V Gonzalez
BLACK: 1. A&V Gonzalez (13) 2. A. Berg 3. A. Berg 4. H&J Johnson	AOC: E. Golimowski (12) C. Price M&M Golimowski M&M Golimowski
H/B AOC: 1. A. Kovacs (13) 2. Y. Bermudez 3. M&H Jinkerson 4. A. Kovacs	GOLD: D. Saurers (9) T&S Wasylink B&H Lapp T. Lobello
ALBINO: 1. T&S Wasylink (4) 2. T&S Wasylink 3. T&S Wasylink 4. T&S Wasylink	NOVICE: W. Burke (3) D. Schmidt W. Burke -----

## PROFILE ON THE EXPERTS..... FRANK ORTECA

Frank and Chris Orteca have been members of Guppy Associates of Greater Cleveland since 1975. With 27 tanks of guppies to work with, Frank exhibits in all 12 IFGA Point shows each year.

As with many others, Reds are Franks favorite color. He also raises greens and snakeskins.

Frank offers some very good pointers for beginners as well as some insight as to the techniques which have made him so successful;

I got started raising guppies about 10 years ago, but not really seriously. At the time I was single and still living at home and only had room for about 4 tanks. Two and a half years ago after I got married I moved into a two bedroom apartment. The first chance I got I turned the spare bedroom into a fish room. At the same time I joined GAGC which I feel is the best thing any guppy enthusiasts can do. (Joined a club)





## EXPERTS.....

I've tried to breed and raise my fish around my schedule. Rather than mold my life around the fish room. This way it always remains enjoyable to me, and never takes on the responsibility of a job.

My fish room is 10x12 foot. I'm now keeping 27 tanks. 11- ten gallon, 9 five gallon, 5- two gallon and 2- twenty lows. I use fluorescent lighting and keep the lights on from 6PM till 1 AM. During the day I keep the blinds on the window partly open to light the room. I use silent giant pumps to run them. I have 2- one gallon brine shrimp hatcheries that rotate hatches every other day. This enables me to feed live brine every day. The room is heated by a thermostatically controlled space heater.

As far as feeding goes.....I try to feed at least five times a day. On days when I know I can't feed at least five times, I then try to feed bulk foods Foods I would consider fattening. Like frozen adult brine and freeze dried earth worms. My dry foods consist of Pride of Suffolk Staple Gro, Baby Prawn, and Earthworms. I also use Golden State Hi Pro, Vitagro, Guppy Blend. I also like to feed powdered milk. A good day of feeding would be on this order:

8 AM- Frozen Brine  
2 PM- Guppy Blend  
6 PM- Live Brine  
9:30 PM- Vitagro  
11:30 PM- Pride of Suffolk Staple  
2:30 AM- Hi Pro

Like I said before my fish room is molded around my life. If I'm going out at night. I might miss two feedings, in their place maybe I'll feed Earthworms, a bulk food. As far as syphoning goes, when I had more time, I syphoned 10% a night. I feel by keeping the bottom of the tanks clean you can cut down on tail rot problems. Now that I don't have as much time, though, I syphon 30% once a week.

Tips for beginners: Have goals.....also a picture of a fish or strain of guppy you'd like to breed. Make it a perfect SHOW fish and then step by step start breeding toward that perfect fish. Never put any time limit on your breeding schedule. You have all the time in the world. If it takes 1 year- 3 yrs- or 5 years, if you develop your strain to perfection it will be worth it to you. Try to start with the best stock available- BUT don't stop there, if you do you'll be a guppy raiser, not a guppy breeder.

Pace yourself in your fish room.....take your time and enjoy yourself when working in your room. Don't sacrifice all your leisure time or you'll soon burn yourself out and lose interest all together. I have seen other people do this. Join a guppy club and become active in it. Don't just take out of it. Attend IFGA Shows.....meet breeders not raisers and introduce yourself. See what tips you can pick up from them. One of the most informative places I've found seems to be at the hospitality room after a show. You'll always find a cluster of top breeders sitting around talking and exchanging ideas. If you had a tape recorder you'd

## EXPERTS.....

probably get enough information to write a book. One more thing... be an observer and watch the fish being judged. Listen to what makes a fish first place or 4th place. or even disqualified. Then breed your fish toward that 1st place fish.

One thing I'd like to add to my breeding techniques is that I am now breeding toward color. I would like to develop a red strain not orange and a green strain not turquoise. Like I said in my tips for beginners, I have put no time limit on myself. When I get it, I get it. Until then I have a very enjoyable hobby to occupy my time!!!

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## ZIP CODES

Thanks to the US Post Office, all of our suscriptions are now d'vided into zip codes. If any of the clubs would like to take advantage of the set up by writing me with a list of the zips in their area, I would be happy to send them a list of subscribers in those zip codes. Many people subscribe to the Bulletin who are not even aware that there is a club in their locality. Possibly some new members could be gained this way. Just write to: MVGA, 2345 OAK GROVE, Toledo, OH, 43613.

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## CHECKLIST BEFORE MEDICATING

by NANCY WHITE, GAAS

Your fish are not acting right. They're not as anxious to eat as normal. Maybe one or two have died recently. What should you do?

- 1) Make sure the heater is not stuck on or off. Check the temperature with a reliable thermometer. To check thermometer accuracy, place it under your arm against the skin for 5 minutes. It should read 95-96°.
- 2) Check the pH of your tap water then check the tank water's pH. If your tap water is consistant and if you are doing nothing to alter the pH in tanks and if you are making regular partial water changes (which you should be doing) then the pH reading of your tap and tank water should be very close to the same. If there is a definite color difference in the test solutions, something is wrong. Possibilities: not making partial water changes regularly; excessive uneaten food or dead fish/plants decomposing; pH altering substance in tank(rocks, shells, some gravels, etc).
- 3) If just one or two fish died for no apparent reason, think about the species that died and ask yourself....Is it usually tank raised or imported wild? If wild and adult, it could have been old when you got it. If you have had it for a couple of years it could be old(for its species 'also. The point being, fish do not live forever. Excluding cichlids and scavengers(cats, loaches, etc.) life span of the most commonly kept aquarium fishes is 2-4 years(barbs, tetras, gouramis, livebearers), with exceptions of

## CHECKLIST.....

course. If you start with juveniles, you can usually assume they are under 6 months old and add how long you've had them to determine age. If you buy adults and don't know the background, you're taking a chance on age.

4) Check floating plants. They can catch uneaten food and debris and restrict water/surface exchange of carbon dioxide and oxygen due to reduced water circulation. Swish plants around now and then to keep them clean and thin them out if prolific.

5) Make sure air flow is properly set and that water circulation is not impeded by dirty, clogged filters.

6) Could you be experiencing the "New tank Syndrome"? In a newly set up tank, with new (even if aged) water, there is a lag before the 'good guy' bacteria are established enough to break down the ammonia produced by uneaten food and fish wastes. This can be speeded up by adding water/gravel from an established tank. The first 1-4 weeks of an all new set up are critical and if you have not planted bacteria via some used water and/or gravel, you should make frequent (twice weekly) partial (15%-20%) water changes to dilute the ammonia build-up until the bacteria are established enough to handle the ammonia load (usually established by 4-6 weeks). As always, but especially in a new set up, DO NOT OVERCROWD. After 6 weeks, a 20% water change per week should be adequate. If this amount seems to stress the fish, reduce to 15% etc.

7) Check fish food. Frozen food should have good color, flake foods should be kept dry to avoid mold, live food should be lively for its kind.

If you have found a problem and corrected it, WAIT a few days for the fish to resume normal activity. Don't expect them to snap back immediately if they have been under stress. If #1-7 above are OK and your fish still aren't acting right; change water a little more frequently (not more water; more often), add a teaspoon of salt per 5 gallons, gradually, and increase the air. WAIT a couple of days for improvement.

Internal problems baffle the experts, so don't guess at medicating for something you can't see. Those external diseases we can see are mostly preventable by good aquarium management. As a matter of fact, should we ever medicate? We personally believe the answer is very seldom, but if you feel you must medicate, eliminate possible causes first, THEN decide if medication is necessary. If so, proceed with caution, wait patiently for results, and keep your fingers crossed, which may help as much as the medication!!

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Society 4/77

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BY THE WAY.....

Everybody is ignorant, only on different subjects.

## EDITORIAL FEEDBACK.....

by Larry Allen

Dear Mr. Hanna,

In regards to your editorial in the March issue and Delmar Hayden's letter in the May issue, I would like to add my two cents. It is indeed hard to get started into show guppies, and very expensive, but it is one of the most rewarding hobbies I've ever seen. If I were to write down a list of the best people I know, Bob Hanna, Don Saurers and Ron Headlee would have to be right at the top. These men have helped me get started and I deeply appreciate it. If everyone were as sincere about the promotion of guppies as these men, the club would really grow. Some people are only interested in how much money they can make and others don't want any newcomers because they are afraid of the competition. But if there was no competition, there wouldn't be any need for shows. I would just like to say: help people trying to get into this hobby. Don't be afraid to let go of your strains. The quality of the fish is only obtained by the quality of the breeder.

## \*\*\*\*\* CHEMOTHERAPY OF BACTERIAL INFECTIONS IN FISH by William Pauluk

Sulfas and antibiotics are becoming more common in pet shops for the treatment of bacterial infections in fish and aquaria and it was, therefore, felt that an article on the use of sulfas and antibiotics would be timely. The reason for the title is that this includes the sulfas as well as the antibiotics. These agents should be used only in bacterial infections and not as a panacea for all ills of aquarium fishes. The action of these medications is either bacteriocidal (actually kills bacteria), or bacteriostatic (stops the reproduction of bacteria so that normal body defenses can destroy them.).

SULFAS: The sulfas are bacteriostatic and are quite numerous, the common ones being Sulfathaladine, Sulfathiazole, Sulfamethazine. Most of these sulfas are absorbed through the intestine after being eaten by the fish, both as particles and as water. However, some are not absorbed through the gastrointestinal tract and act only to destroy bacteria in the bowel of the fish and in the water itself. They may be used as a single type of sulfa or in combination with other sulfas to form a commonly used medication in humans called Triple Sulfa.

Sulfas in compressed tablet form, crushed, are best. This crushed powder is then mixed with a small amount of aquaria water to make a solution which is then placed into the aquarium itself where it diffuses throughout the water. Dose- 150 mgs of total weight of sulfas per 10 gallons of water.

ANTIBIOTICS: These antibiotics, once coming from molds or other fungi, have now been synthesized and have been changed chemically so that new antibiotics can be produced. In this way new and better antibiotics able to kill a wider spectra of bacteria are produced. In my discussion I will be using generic names rather than brand names.



## CHEMOTHERAPY.....

**METHODS OF USE:** Antibiotics may be used in several ways: the easiest is to dissolve the antibiotic and place it into the aquarium water. I would suggest that one use capsules of antibiotics which are pure antibiotics mixed with a filler such as starch, or else use a compressed tablet without any sugar or other type of hard coating around it. This way less foreign matter which could possibly harm the fish, will be introduced into the water. I would also suggest that the fish be treated in a small isolation tank for reasons which I will discuss later. This also saves money by treating one fish in a small amount of water, thus using much less antibiotic than treating the whole aquarium itself.

A method which has been used to some degree by researchers is to mix antibiotics with food. Work has been done in treating fish, both in sport fish hatcheries and fish farms. The dosage in such situations may be calculated quite easily by knowing the number of fish and the weight of each fish. This however, is not very practical for the average hobbyist who has one small sick fish. Another method of treatment of fish is by injection of the actual antibiotic into the fish. The most common method is injection into the peritoneal cavity. That is, into the abdominal cavity between the gut and other organs and the outside abdominal wall. This type of antibiotic has to be sterile and of the same type used by veterinarians or doctors in injecting the veins of animals or patients. This technique is difficult as it requires a hypodermic syringe and needle and also it is difficult to calculate the dosage. One could also damage internal organs and in this way injure the fish to such an extent as to cause death. I would not advise this method for use by the average aquarist but would reserve it for those who are skilled in this method.

Another method is by intramuscular injection with hypodermic needle into the muscle portion of the fish. Again, it is difficult as dosage has to be calculated accurately. Again, the antibiotic should be of the same type as veterinarians use in injecting animals. Not all antibiotics are meant to be injected and therefore cannot be used this way.

The most difficult problem is trying to get the actual dose to be used for injection. I have not been able to find any data which provides this information. In the following discussion of antibiotics the dosages which will be given will be those which should be used in dissolving the medication in aquarium water, then allowing the fish to swim freely in this solution.

**PENICILLIN G:** This is probably the safest antibiotic there is with a very large variation in dose level without causing harm. It is bacteriocidal. Penicillin, Ampicillin, Cloxacillin, Dichloxacillin and Metacillin are antagonized by the Tetracycline and Chloramphenicol and should not be used together. The dosage is often quoted in both units and mgs. Dose= 500 mgs per 5 gallons. In severe infections the dose may be as high as 250 mgs per gallon.

## CHEMOTHERAPY.....

**AMPICILLIN:** This newer type of Penicillin is effective on more different types of bacteria. It is also bacteriocidal and has the same advantages as Penicillin. Dose= 250-500 mgs per 5 gallons.

**CLOXACILLIN & DICHLOXACILLIN, METACILLIN:** Penicillin derivatives with a different bacterial spectrum from Penicillin. They have the same advantages as Penicillin and have quite a wide range of safe dosage levels. They are bacteriocidal. Dose= 250 mgs per 5 gallons.

**CEPHALORIDINE:** Very similar to Penicillin. Bacteriocidal. Can be used in intramuscular injection with another form that can be used by dissolving and adding to aquarium water. It is not readily available for use by the average aquarist. Dose= 250mgs per 5 gallons.

**ERYTHROMYCIN & OTHER MACROLIDI ANTIBIOTICS:** (Spiramycin, Oleandomycin, Triacetyloleandomycin, Carbomycin) These antibiotics are bacteriostatic and have a bacterial spectrum very similar to Penicillin. They are antagonistic against Lincomycin, which will be discussed later. Erythromycin is available both in a compressed tablet form and in a capsule. It may be purchased in pet shops. Dose= 250 mgs per 5 gallons of aquarium water.

**LINCOMYCIN & CLINDAMYCIN:** These are closely related and are bacteriostatic. Somewhat similar to Penicillin in use, however, they should not be used with Erythromycin as they are antagonistic towards it.

**NOVOBIDICIN:** It is bacteriostatic and has a similar bacterial spectrum to Penicillin. It is not used as much as Penicillin since Penicillin is cheaper and more readily available.

**STREPTOMYCIN:** It is bacteriocidal and an excellent antibiotic, however, most bacteria become rapidly resistant to it. It is therefore used almost exclusively for treatment of TB in humans and I would not advise it for aquarium use at the present time.

**TETRACYCLINES:** These include Terramycin, Aureomycin and Tetracycline hydrochloride. It is bacteriostatic, effective against a broad range of bacteria and very useful. Dose= 250 mgs per 5 gallons.

**NEOMYCIN, KANAMYCIN, GENTAMYCIN:** These antibiotics are not absorbed well by the gastrointestinal tract and therefore are suitable in the aquarium for any infections arising on the outer surface of the fish, such as fin rot. Neomycin has now been marketed for aquarists and is available at pet shops. Kanamycin and Gentamycin can also be used for intramuscular injection. Dose= of Neomycin= 25 mgs per 10 gallons of water.

**POLYMYCIN B & POLYMYCIN E:** Bacteriocidal. They appear to have been very limited in use in the fish hobby.

## CHEMOTHERAPY.....

VANCOMYCIN & RISTOCETIN: Bacteriocidal, however they can be used only intravenously and are not applicable to aquarium use.

I have included most of the antibiotics available even though not all can be used by the aquarist. However, for the sake of completeness I have listed them as you may hear of them being used in the future.

CONDITIONS IN WHICH ANTIBIOTICS & SULFAS MAY BE USEFUL: These chemotherapeutic drugs should be used only in infections or in bacterial conditions where a bacterial infection is part of another disease process brought on by the poor resistance of the fish because of poor health. This may occur in fish which have been traveling over long distances, which are in a state of starvation, and where the natural defenses have been decreased. Fin rot is an example of a disease where they may be used. Traumatic ulcers caused by bites from the other fish, by sharp rocks, etc., and which have become infected, or are in danger of becoming infected. There may be an overgrowth of fungus on such areas. Fungi normally grow on dead tissue which have been produced by some type of infection, usually an ulcer.

One may also use antibiotics preventatively. When new fish are acquired, especially if they do not appear to be in the best condition, they may be given a treatment of sulfa or antibiotics to combat bacterial infection present in the fish or in the water. The chemotherapeutic agent will fight these organisms until the fish have recovered their natural resistance.

Unfortunately very little is known about bacterial diseases in fish and even less has been written about them. This is a wide open field and eventually biologists, bacteriologists and other interested learned people will tackle this huge problem in the near future to provide us with knowledgeable information regarding bacterial fish diseases, both from the standpoint of causative organisms and their treatment.

DANGERS: Unfortunately, antibiotics do not discriminate between 'good' and 'bad' bacteria. Good bacteria are those present in the gravel of your aquaria which break down the excreta of your fish as well as uneaten pieces of food, dead plants, etc.

Good bacteria also help digest food for the fish and provide important vitamins as well. They are present in the stomach and bowel of the fish. These good bacteria that live in the constant state of balance may be destroyed by antibiotics so that there is an overgrowth of harmful bacteria or fungi. Therefore it is best to treat fish in a separate 'hospital tank'. However, even though this does not prevent an upset in the bacteria of the gastrointestinal tract of the fish being treated. Consequently, do not treat too long. Seven to ten days should be the maximum length of treatment.

AVAILABILITY: Although some of the medications mentioned are available only in hospitals, most can be obtained in pharmacies as pre-

## CHEMOTHERAPY.....

SCRIPTION drugs. One would therefore require a MD's, dentist's, or veterinarians' prescription. The drugs used by humans have to go through rigorous standards and therefore their prices are high. Prescriptions by veterinarians are usually considerably cheaper.

Recently some drugs are finding their way into pet shops and may be obtained off the shelf. When buying such medications, read the small print, as it is there that you will find what the active ingredient is.....not in the trade names which are made to sound good so the product will sell. Recently I have toured local pet shops and found the following medications available which I will list giving the antimicrobial present and the dosage stated:

Fungus cure- Active ingredient-Sulfathiazole with some added acriflavin. Dosage- 1 tablet per 5 gallons.

Sula-Four- Combination of four sulfas: Sulfathiazole, Sulfamerazine, Sulfamethazine, and Sulfaquinoxaline. Liquid. Dose- 65 mgs per 5 gallons.

T-C Caps- Active ingredient Tetracycline hydrochloride. Capsule form. Dose- 250 mgs per 10 gallons.

Maracyn- Active ingredient Erythromycin. Dosage- 1 200 mgs capsule in 10 gallons water.

General Cure- Active ingredient Neomycin combined in a dosage of 10 mgs together with Copper Sulfate so 1 tablet can be used in 5 gallons of water.

This paper is far from complete on the antimicrobials, but as I mentioned before, very little has been written on the subject of bacterial infections in the aquarium. I hope this short resume will be of some help to those of you who read it in treating their infected fish. I further hope that somebody much more knowledgeable than I will take up this challenge and provide us with some truly good research and eventually information so that there may be some light shed on this greatly neglected aspect of tropical fish diseases and take us out of the Dark Ages where we are at the present.

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BY THE WAY.....

Dermatologists make rash judgements.



Initial care of the young guppy very much influences its final development. Few fish are groomed into show winners with special care only as mature adults. Excellent mature fish don't just happen. Instead, they are the result of much intense care starting the day they are born.

Tank care and feeding are two vital considerations in getting young fish started to develop into fine mature guppies. Tank care can be broken into temperature of the water, filtration, water changes and the number of fish per unit of water. Young guppies should be maintained at a water temperature of 76 to 80°F. At these temperatures they consume more food, allowing them to grow and develop much faster compared to lower temperatures (72 to 74°).

A tank without gravel is best for young guppies. A box filter with medium air is the adequate filtration. The filter should be kept clean with floss changed every two weeks. Before changing the filter the sides and bottom of the tank should be wiped with a clean sponge and the water change should be made in conjunction with the filter change. Water changes should be made when the fish are two weeks of age and weekly thereafter. A 35 to 50% change weekly should be adequate with aged water at the same temperature. If unaged water is used, changes may be dropped to 20 to 35% weekly as fish may become uncomfortably if larger changes are made.

The entire litter (20 to 50) can be maintained in a five gallon tank the first two weeks, but then should be given more space. At one month of age young males should be placed in a tank by themselves with no more than two fish per gallon of water. As the males develop they should be given one gallon of water per fish.

Feeding of the young fish is as important as the tank in which the fish are kept. The size of the food is of vital importance. The best food in the world can be fed, but if it is too large for baby guppies to consume, it does little good. Young fish should be fed a variety of food with at least one live food daily. Good live foods are newly hatched brine shrimp and microworms. Other good foods are frozen baby brine, grindal worms (at two weeks), a variety of granular and flake foods, and frozen beef heart. Flake and granular foods should be ground between the fingers to make it small enough for consumption. Frozen beef heart can be chopped in a blender before freezing and scraped very finely from the frozen mass for young fish. The secret to feeding young fish is to feed a small amount frequently. Young guppies should be fed at least five times daily (preferably a different food at each feeding).

Of further importance is the maintenance of the feeding schedule. It cannot be done every other day, but must be carried through every single day, and the final results are amazing.

reprinted from Madison Aquar.  
Club 7/76

## ACCREDITED IFGA JUDGES

- |  |   |
|--|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843           | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201      | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603               | 29. John Walcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067               | 30. Joe Razutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740           | 31. Dave Boone<br>1044 Rencor Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843         | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713             | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204            | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reseda, CA 91335              |   |

INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION



**OFFICIAL  
PUBLICATION**



# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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FROM THE PRESIDENT

All delegates should be prepared to discuss the updated Constitution and By-Laws. By clearing up questionable areas at the August meeting, this should help to prepare us for the November meeting.

Remember, show dates for 1978 are given out at the August meeting. Club delegates should come prepared to accept or decline a show for 1978. It is important when a club accepts a show they are prepared to complete their obligation.

All members should review the Judging Standards and advise their delegates of any recommendations they wish to present to the judging board. The judging board will meet, discuss and present recommendations to the judging standards in November.

See you in Fort Wayne.....

Regards,



EDITORIAL

by Sharon Woodruff

The Novice Class has been the topic of several heated discussions of late. It seems many hobbyists, novice and experienced alike, are wondering if the class is serving the purpose for which it was designed. The idea of a novice class is to give new breeders a chance to gain expertise in the art of showing fancy guppies. Does it really do this?

At the shows this year we have averaged 12 entries in the novice combined class. Never have the same names appeared in the top four places at different shows. Some of the people who have placed have gone on to win or place in the open classes. Some have not. Many names appear in each show's results who have never won in novice competition. Yet they chose to enter open competition anyway. Why? Could it be that they want to have a chance for an annual award? Under the present system the novice class does not accumulate points. Depending on the color fish being raised, a novice may very well come out far ahead by entering open competition. In Lafayette this year there were 21 novice entries. All but one singles class had LESS entries than that! Granted, the competition in some of the consistently large classes such as reds, H/B Reds, and Snakeskins may be stiff but how about Albinos which average 6 per show or Red Bicolors averaging under 5? Yet these classes earn points toward annual awards as well as grand overall championships.

Admittedly in this day of rising costs when IFGA is considering the necessity of raiding trophy sponsorships it seems foolish to add to the list of mandatory classes in order to make novice points credit toward an annual award. Several questions must be

EDITORIAL.....

considered before a decision such as this could be reached.

Do we want to encourage people to enter novice classes? Anyone who has judged our shows and especially those who have taken the judging test and failed know only too well how difficult it is to judge fish of different colors. It is very difficult for a H/B Pastel to compete with a H/B Red. There are exceptions of course but for the most part fish are not pointed during actual judging and even if they are, with the current emphasis on size points, the larger fish generally come out ahead.

Just what are the advantages to entering novice classes? An exhibitor entering his first show may feel he has a better chance of winning novice than competing with the "big boys". This may or may not be the case as we showed above. But regardless, if he wins he gets 1 trophy, no points, and is forced to compete with "old time exhibitors" next show. What did he gain? Experience? Not much!!

Perhaps novices could compete for one full show year as proposed at the April meeting. This would give them more experience but how do we propose to move them up? Do we move all those who placed 1st in a show into open competition? Do we accumulate points as in open classes and move the top four into open competition? Do we make novice mandatory for an exhibitors first year? If we do any of these should we not have an annual award for them?

Some exhibitors I know of have entered fish in open competition in classes they figured would be small and entered others in novice classes in the same show. Can someone who uses the rules so well to their advantage really be a "novice"?

Do we want to have a novice class to encourage local people to enter our shows when most of them never show again? This has happened in more than one or two cases I am sure.

Do we need the novice class at all? Could an exhibitor not gain just as much experience entering shows in open classes as they do in novice?

Think about these things and have your delegate ready to place a well considered vote in November.

IFGA POINT STANDINGS AS OF JUNE 20, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1 J&M Walker	1582	1 S. Shubel	1890	1 L. Wasserman	1890
2 J&S Woodruff	1274	2 G. Parish	474	2 M. Lastella	1596
3 A. Ahrenholz	658	3 B&H Lapp	434	3 J&M Walker	308
4 A.R. Mueller	196	4 B&J Orth	336	4 B. Hazzard	252



## STANDINGS.....

<u>BLACK CLASS</u>		<u>MULTI CLASS</u>		<u>AOC CLASS</u>	
1 L. Wasserman	2090	1 R. Szydluk	1680	1 B&J Orth	2086
2 B&J Orth	952	2 J. Horan	1246	2 E. Golimowski	658
3 A. Prall	742	3 R&L Williams	756	3 D. Han	476
4 H. Coren	336	4 D&L Grigg	280	4 R. Szydluk	140
<u>BICOLOR CLASS</u>		<u>PURPLE CLASS</u>		<u>SNAKESKIN CLASS</u>	
1 R. Szydluk	4256	1 T&P Alben	1638	1 J. Zalk	1988
2 M. Lastella	1162	2 G. Parrish	1162	2 W&M Brandeberry	1890
3 A.R. Mueller	700	3 B. Hoitt	784	3 G. Parrish	1190
4 E. Golimowski	658	4 R. Iorio	350	4 M. Regent	546
<u>GOLD CLASS</u>		<u>YELLOW CLASS</u>		<u>BRONZE CLASS</u>	
1 B&H Lapp	1512	1 B. McGovern	1722	1 J&M Walker	1778
2 T&S Wasylink	490	2 G. Parrish	448	2 L. Wasserman	1176
3 D. Saurers	308	2 J. Wolcott	448	3 R. Yater	462
4 L. Wasserman	210	4 T&S Wasylink	294	4 B&E Brunton	126
<u>ALBINO CLASS</u>		<u>SWORDTAIL CLASS</u>		<u>H/B AOC CLASS</u>	
1 J&M Walker	2240	1 J. Horan	2048	1 M. Lastella	1974
2 T&S Wasylink	602	2 D. Saurers	784	2 L. Wasserman	924
3 M. Lastella	532	3 J.P. Schroeder	672	3 J. Rezutka	420
4 D. Han	210	4 L. Allen	462	4 D&M Crabtree	392
<u>H/B RED CLASS</u>		<u>H/B PASTEL CLASS</u>		<u>H/B BLUE CLASS</u>	
1 L. Wasserman	2212	1 T&S Swatkowski	1204	1 M. Lastella	2156
2 T. Archbold	770	2 G. Parrish	1064	2 T&S Swatkowski	560
3 D. Epple	588	3 J&M Walker	574	3 G. Wachter	378
4 M&H Jinkerson	420	4 F. Jamoil	434	4 L. Wasserman	280
<u>BREEDER MALE CLASS</u>		<u>BREEDER FEMALE CLASS</u>		<u>H/B FEMALE CLASS</u>	
1 F. Orteca	1610	1 E. Golimowski	1512	1 M&H Jinkerson	308
2 M. Lastella	1540	2 D&M Crabtree	924	2 T. Archbold	280
3 S. Shubel	1050	3 D&L Grigg	462	3 A. Kovacs	196
4 L. Wasserman	980	4 A. Kovacs	252	4 D&M Crabtree	140
<u>BLUE/GREEN FEMALE</u>		<u>RED FEMALE</u>		<u>AOC FEMALE</u>	
1 J. Horan	434	1 D. Polunas	504	1 E. Golimowski	420
2 A&V Gonzalez	392	2 E. Golimowski	280	2 M&M Golimowski	182
3 D&M Crabtree	154	3 J&S Woodruff	154	3 J. Horan	126
4 A. Kovacs	70	4 M&H Jinkerson	112	4 D&M Crabtree	98
4 J. Wolcott	70				
<u>GOLD FEMALE</u>		<u>BLACK FEMALE</u>		<u>ALBINO FEMALE</u>	
1 D. Saurers	588	1 A&V Gonzalez	574	1 T&S Wasylink	966
2 T&S Wasylink	140	2 H. Coren	168	2 T. Barchalk	56
3 B. McGovern	84	3 A. Berg	126	3 D. Han	42
4 T. Barchalk	70	4 D&M Crabtree	112	3 J&M Walker	42
4 B&H Lapp	70				
4 T. Lobello	70				

## STANDINGS.....

<u>FEMALE GRAND</u>		<u>MALE GRAND</u>	
1 E. Golimowski	1785	1 L. Wasserman	6860
2 A&V Gonzalez	1295	2 M. Lastella	6580
3 D&M Crabtree	875	3 G. Parrish	3995
4 D. Saurers	490	4 S. Shubel	3485
5 T&S Wasylink	420	5 J&M Walker	2450
6 M&H Jinkerson	350	6 R. Szydluk	1920
7 J. Horan	315	7 J. Horan	1260
7 A. Kovacs	315	8 F. Orteca	1120
7 D. Polunas	315	9 B&H Lapp	1050
10 T. Archbold	210	10 R. Iorio	875
10 T. Barchalk	210		
10 D&L Grigg	210		

The red class points and standings have been corrected. T. Allen

## PROFILE ON THE EXPERTS.....

Dellmar Hayden

Dellmar Hayden is one of the newcomers to fancy guppy shows. Very seldom does anyone place in the Annual Championship in their very first year of showing but Del managed to take a 4th place in the green class which, by the way, is his favorite! That's quite an accomplishment!!

Del and his wife Gail have one child named Linza. They live in Louisville, Kentucky... one of a very few IFGA subscribers in Kentucky.

He usually exhibits in eight shows a year and manages to attend about three. Wouldn't it be nice if Del and Gail could form a club in the Louisville area?

Guppies are Del's only fish at the present. He has had others over the years but always preferred gups. Right now he has 42 tanks to house the greens, half black pastels and albinos he shows.

Del feels that Lou Wasserman's breeding schedule works best for him. He claims to follow it pretty closely.

According to Del, "No matter what tips top breeders may pass on to beginners, the best is don't give up.....keep trying. I know. I have called it quits many a time. I think most of all don't judge your own fish, go to a show and observe. You can ask questions and find out how a fish is judged. Rule books give you the basic, but no two judges judge the same way. I know from my own experience no one can be any harder on their fish than yourself."



# THE SECRET TO WATER AS A WAY OF LIFE

Water is an excellent medium for a cold blooded guppy as it is not subject to rapid temperature changes. In nature when changes occur they are usually slow enough that the guppy can move on to more suitable climates or gradually adjust itself to the existing one. In our tanks there is no where to escape....so if conditions change too much, the guppy must either adjust or die. Fortunately, the guppy is a very adaptable creature, but care should be taken to avoid abrupt, radical temperature changes.....or water temperatures beyond the limit that the guppy can tolerate. Being of a tropical heritage, the guppy does best in temperatures between 70-80°.

Like all animals, the guppy needs oxygen. How then does it get, in its underwater environment, the oxygen it needs to sustain life? Fortunately, it has the equipment to extract the oxygen dissolved in the water. The gill chambers function very much like our lungs, exchanging waste carbon dioxide for fresh supplied of oxygen. Located more or less where you would expect to find his ears, the fragile gill filaments are protected by a firm, bony plate, the operculum. The gills are lined by blood vessels close to the surface and covered by the thin skin of the gill filaments, which lie in folds and pleats so as to increase the absorptive area. When water is taken into the mouth it is pushed through feathery gill fringes. During this process the hemoglobin in the red blood cells gives up its load of waste carbon dioxide and takes on a new supply of oxygen molecules. The used water flows out through the gill opening beneath the gill cover.

Meanwhile, pumped by a two compartment heart, the recharged red cells carry their load of fresh oxygen through a dorsal artery which divides into smaller and smaller vessels, which carry the fresh fuel to the body's living cells. In the small capillary vessels the oxygen is exchanged for carbon dioxide and wastes which are carried back through the veins to the heart to be repumped to the gills for disposal and recharging with oxygen.

If the water is deficient in oxygen due to pollution or overcrowding, the guppy will come to the surface to gulp down air directly from the atmosphere. They can thus get oxygen to a limited degree, but the guppy cannot live on atmospheric oxygen for any length of time. Nothing can be more deadly to a guppy than pollution of water by waste products which ties up the precious oxygen in the chemistry of decay.

Since poisonous ammonia is one of the products of animal metabolism and is being constantly produced in the aquarium, it is an important limiting factor in raising guppies. Its toxicity is well known and the ammonia gas is very difficult to remove from aquarium water by simple aeration. In the natural environment the amount of ammonia present in the water is usually much less than .009-.063 ppm(parts per million). Organic pollution begins to occur

when quantities reach .107 ppm. At what exact level threshold the ammonia becomes toxic to the guppy depends, in part, on related factors such as pH and free oxygen concentrations.

When aquarium animals or plants die, the proteins decompose into amino acids....with the help of various bacteria, ammonia is produced. The same thing happens to fish wastes excreted into the water and converted to ammonia. Given the necessary bacteria for conversion, the ammonias break down into nitrogens, nitrites and nitrates....which are necessary for the growth of aquarium plants. Increased aeration in the aquarium encourages the multiplication of these helpful bacteria and therefore helps shorten the time interval between harmful ammonias and the harmless nitrates. Because it is possible to establish a good inter-relationship between fish, the producers of nitrogen compounds, and plants, the users of nitrogen compounds, it is in the unplanted aquarium where the ammonia problem can be the most dangerous.

The presence or absence of salts in the water plays a vital role in the guppy's body chemistry. A guppy is basically a fresh water fish but can adjust to brackish water and even to sea water if the adjustment is gradual. How is the balance maintained between the salts in the guppy's blood and body fluids and those which may, or may not be present in the surrounding water?

A fresh water guppy has a higher salt content in its body fluids (about 1 part per 100) than is found in the surrounding water (about 1 part per 10,000). Since water seeks constantly to equalize these salts by entering the guppy body through the skin, gills, mouth or other exposed surfaces, the guppy is under constant pressure of a water invasion. To keep the proper balance, therefore, it constantly excretes water.

In a marine environment, the process would be reversed....the saltier environment is constantly removing water from the guppy body, which is much lower in salts than the surrounding water. To maintain its proper chemical balance the fish must gulp water steadily.

When a fish is in shock from rough handling, rapid environmental changes or wounds, the level of body salts drops. If the body cannot recuperate sufficiently to raise the salt levels back to normal, death can result. For this reason, a little extra salt in the water can help a shocked or wounded fish to regain the normal salt level with less expenditure of the energy necessary to pass large volumes of water over its gills for the extraction of the needed salts. Salt could also be gotten from food but it is rare for a shocked or wounded fish to eat enough to do the job.

Although the water in an aquarium can be sparkling clear, it is in reality filled with bacteria and fungi and the like which constantly threaten to attack. To protect them from water borne invasions, guppies have scales embedded in the inner layer of the skin which form an important protective barrier. Further protection is provided by a layer of mucous slime produced by many glands



SECRETS.....

scattered all over the body. This mucus is antiseptic and helps ward off attack by bacteria and fungi. When illness, wounds or external hazards remove any of this mucus, the guppy becomes very susceptible to invasion by the ever-present enemies.

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# THE EXPERIENCE OF A MID-WIFE

by Ruth Janowitz

One dya, after being in the hobby less than 6 months, I noticed one of our female guppies in a 30 gallon tank....very fat, but very slow. She was about a year old, around 3 inches long and had a nice broad tail....white dotted with blue. Because of her size and color she was one of our favorites. She had not been bred in at least 5 months. I moved her to a 20 gallon tank with other smaller guppies, hoping if she did drop any babies we could raise some of the females and they would be as large and colorful as their mother.

A few days later she spent most of the time laying on the bottom. From her actions, I knew she must be egg-bound and would die if something wasn't done. I've seen this happen to a few other guppies of a similar size.

In the early evening I took her out of the tank and isolated her in a gallon container of water. I was going to experiment. Keeping her in the net, but under water, I gently started to massage her from front to back. In her agony and near death, she did not put up much of a fight as I held her in the net.

With gentle pressure there was a slight discharge from her but it would not completely expel itself. After doing this several times and having the same thing happen each time, I dropped the fish back into the water and got a tweezers with a long pointed end. The discharge seemed to be rather a lump and hard. Putting the fish back into the net, holding it at the side of the container and using pressure with one hand, I took the tweezers and grabbed the end of the lump and tried to pull it out of the fish. OUT POPPED A FRY! My, was I excited! I released the female, hoping I started the ball rolling and she would drop the rest on her own.

After about half-hour, I went back to check. Nuts....no more babies and the old female was lying on the bottom on her side, but still alive. So....I put her in the net again and used more head to tail massaging. More babies were popping out. Some were alive and swimming and some fell to the bottom dead. There were also some babies still curled up and in the egg sac. These also fell to the bottom.

Well, after the female was massaged flat....and dead..... I had about 40 live babies, which I transferred to a larger tank. I then took the tweezers to the egg sacs. By sticking the point of the tweezers into the center of the egg sac and breaking the sac, I could release the fish held inside that were not strong enough

MIDWIFE.....

to get out themselves. In this group I saved about 12 tiny fry. That sure was an exciting evening! The next morning I still had a mess of about 50 baby guppies swimming around the bigger tank.

This was quite an exciting experience but I'm glad I did it!!

reprinted from  
Cistana News 2/74

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## GATEWAY GUPPY ASSOCIATES

June 25-26, 1977 7 Point Show 515 Entries  
JUDGES: Dave Crabtree, Ted Lobello, Tom Allen, Pop Morgan.  
ASS'T JUDGES: Rich Szydluk, Jim Woodruff, Sharon Woodruff, Elvis Bryant, Bill Orth, Bill Gommel, Pat Allen

OBSERVERS: Frank Pilch, Eugene Golimowski, Viola Golimowski, Harold Jinkerson, Michael Jinkerson, Everett Gold, Don Epple, Donald Weinzerl, Dick Scheidt, Reginald Day, Jerry Rietschek, Don Ziegler, Paul Powell, Judy Orth, Steve Swatkowski, Jim Thale

### BEST OF SHOW

MALE: (Blue Delta)(Green Bi) (AOC Bi) (Green Delta)  
1 S. Shubel 2 E. Golimowski 3 E. Golimowski 4 L. Wasserman  
FEMALE: (Black) (H7B AOC) (Gold) (Red)  
1 A&V Gonzalez 2 A. Kovacs 3 D. Saurers 4 E. Golimowski  
TANK: (Green) (Purple) (Blue) (Albino)  
1 M. Lastella 2 R. Iorio 3 S. Shubel 4 J&M Walker  
BREEDER  
MALE: 1 M. Lastella 2 F. Orteca 3 S. Shubel 4 J&M Walker  
BREEDER  
FEMALE: 1 D&M Crabtree 2 D&M Crabtree 3 D&M Crabtree 4 E. Golimowski

	TANK	DELTA	TANK
RED:	1 J&M Walker (8) 2 A. Ahrenholz 3 J&M Walker 4 J&S Woodruff	J&S Woodruff (9) J&S Woodruff A. Ahrenholz J&S Woodruff	J&S Woodruff (6) J&S Woodruff J&M Walker R&L Williams
BLUE:	1 S. Shubel (3) 2 S. Shubel 3 B&J Orth 4 -----	S. Shubel (5) S. Shubel S. Shubel E. Golimowski	S. Shubel (3) L. Allen Disq -----
GREEN:	1 M. Lastella (4) 2 L. Wasserman 3 L. Wasserman 4 M. Lastella	L. Wasserman (10) M. Lastella M. Lastella L. Wasserman	M. Lastella (11) M. Lastella B. Hazzard L. Allen

## GGA RESULTS.....

	TANK	DELTA	VEIL
BLACK:	1 L. Wasserman (3) 2 L. Wasserman 3 B&J Orth 4 -----	L. Wasserman (6) T. Archbald B&J Orth L. Wasserman	B&J Orth (5) B&J Orth B&J Orth L. Wasserman
MULTI:	1 R. Szydluk (6) 2 R. Szydluk 3 R&L Williams 4 R. Szydluk	D&L Grigg (7) R&L Williams R. Szydluk M&M Golimowski	R&L Williams (9) R&L Williams R. Szydluk R. Szydluk
AOC:	1 R. Szydluk (4) 2 B&J Orth 3 B&J Orth 4 B&J Orth	E. Golimowski (9) E. Golimowski E. Golimowski R. Kercher	B. Zejk (6) B&J Orth B&J Orth B&J Orth
YELLOW:	1 B. McGovern (7) 2 B. McGovern 3 Disq 4 Disq	J&M Walker (8) R. Kercher B. McGovern B. McGovern	M&H Jinkerson (5) B. McGovern B. McGovern B. McGovern
SNAKE:	1 R. Iorio (10) 2 L. Wasserman 3 R. Iorio 4 J. Zelk	L. Wasserman (10) R. Iorio R. Iorio R. Iorio	M. Regent (9) T. Lobello J. Zelk J. Zelk
PURPLE:	1 R. Iorio (8) 2 R. Iorio 3 M. Lastella 4 T&P Allen	R. Iorio (13) R. Iorio R. Iorio D. Crotsau	T&P Allen (7) T&P Allen E. Golimowski T&P Allen
GOLD:	1 -----(0) 2 ----- 3 ----- 4 -----	L. Wasserman (3) T&S Wasylink D. Saurers -----	T&S Wasylink (2) D. Saurers ----- -----
H/B RED	1 L. Wasserman (6) 2 L. Wasserman 3 D. Epple 4 M&H Jinkerson	L. Wasserman (12) L. Wasserman L. Wasserman L. Wasserman	M&H Jinkerson (8) M&H Jinkerson M&H Jinkerson T. Archbold
H/B BLUE:	1 M. Lastella (5) 2 L. Wasserman 3 M. Lastella 4 J. Walski	L. Wasserman (9) L. Wasserman T&S Swatkowski M. Lastella	M. Lastella (7) M. Lastella T&S Swatkowski B. Hazzard
H/B PASTEL:	1 B&P Shaff (9) 2 E. Gold 3 T&S Swatkowski 4 T&S Swatkowski	T&S Swatkowski (21) F. Jamiol T&S Swatkowski F. Jamiol	J&M Walker (12) F. Jamiol J&M Walker F. Jamiol

## GGA RESULTS.....

	TANK	DELTA	VEIL
H/B AOC1	1 L. Wasserman (6) 2 J. Walski 3 V. Stewart 4 M. Lastella	L. Wasserman (12) L. Wasserman L. Wasserman L. Wasserman	M. Regent (6) J. Walski M. Lastella Disq
NOVICE:	1 Y. Robles (2) 2 D. Scheidt 3 ----- 4 -----	D. Scheidt (11) D. Scheidt B. Decker B. Decker	D. Scheidt (1) ----- ----- -----
	TANK	COMBINED	
RED	1 R. Szydluk (6)	L. Allen (14)	
BICOLOR	2 D. Weinzerl 3 D. Weinzerl 4 D. Weinzerl	E. Golimowski E. Golimowski T&P Allen	
BLUE	1 R&L Williams (6)	V. Stuart (14)	
BICOLOR	2 B. Hanna 3 E. Gold 4 B. Hanna	V. Stuart R. Szydluk V. Stuart	
GREEN	1 B&J Orth (6)	E. Golimowski (7)	
BICOLOR	2 B&J Orth 3 B. Hanna 4 B. Hanna	B. Hanna M. Lastella B&J Orth	
AOC	1 R. Szydluk (2)	E. Golimowski (7)	
BICOLOR	2 R. Szydluk 3 ----- 4 -----	R. Szydluk T&P Allen E. Golimowski	
ALBINO:	1 J&M Walker (#3) 2 M. Lastella 3 J&M Walker 4 -----	J&M Walker (4) J&M Walker J&M Walker T&S Wasylink	
BRONZE:	1 L. Wasserman (6) 2 J&M Walker 3 J&M Walker 4 J&M Walker	J&M Walker (6) L. Wasserman J&M Walker L. Wasserman	
H/B GOLD	1 L. Wasserman (2) 2 L. Wasserman 3 ----- 4 -----	L. Wasserman (5) L. Wasserman L. Wasserman L. Wasserman	
SINGLE SWORD	1 D. Saurers (3) 2 D. Saurers 3 D. Saurers 4 -----	D. Saurers (5) D. Saurers L. Allen D. Saurers	



## GGA RESULTS.....

TANK		COMBINED	
DOUBLE	1 J. Horan (5)	J. Horan (7)	
SWORD	2 J. Horan	D. Saurers	
	3 J. Horan	J. Horan	
	4 D. Williams	D. Williams	
FEMALES			
RED:	1 E. Golimowski (10)	BLUE/GR: E. Golimowski (10)	
	2 E. Golimowski	2 A&V Gonzalez	
	3 D. Polunas	3 A&V Gonzalez	
	4 J&S Woodruff	4 A&V Gonzalez	
BLACK:	1 A&V Gonzalez (8)	ADC: 1 E. Golimowski (9)	
	2 D&M Crabtree	2 E. Golimowski	
	3 B&J Orth	3 T. Lobello	
	4 A&V Gonzalez	4 E. Golimowski	
H/B RED	1 M&H Jinkerson (4)	H/B ADC: 1 A. Kovacs (10)	
	2 M&H Jinkerson	2 R&L Williams	
	3 M&H Jinkerson	3 M&H Jinkerson	
	4 A. Kovacs	4 J&M Walker	
GOLD:	1 D. Saurers (10)	ALBINO 1 T&S Wasylink (4)	
	2 T&S Wasylink	2 T&S Wasylink	
	3 B. McGovern	3 T&S Wasylink	
	4 B. McGovern	T&S Wasylink	

## FISH PHOTOGRAPHY

BY Bob Kautzman

It's time for you to become involved with fish photography. By combining two hobbies....fish and photography....you can capture your prize fish in his prime.

Good fish photos require good equipment, the right set-up, patience and practice. The patience and practice are vital. Whether you're developing a totally new skill or just adding to an old one, plan to spend some time doing it.

Regarding equipment, I'll begin by telling you what you can't use and why. Instamatics, box, polaroid and 35 mm fixed lens cameras aren't suitable for most fish photography. Such equipment imposes limitations because of fixed focal distances, shutter speeds and the lack of strobes or synchronized flashes. They'll do for sweeping panoramas at the Aqua Zoo where you are dealing with BIG fish in large display tanks, but for close work, you need moderately specialized gear.

If you own- or have a friend who owns- a 35mm single lens reflex (SLR) camera, you are in business. The ordinary camera equipment you will need is a good tripod, a shutter cable release,

## PHOTOGRAPHY.....

and an electronic flash (strobe). You will also need two flood lights and some method of taking close-ups. My floodlights are fitted with 3200 #K photoflood bulbs. The three close-up methods- close up lens, extension tubes, and bellows- rate additional consideration.

The close-up or macro lens can be either a separate lens which fits directly on the aperture or a unit which fits over the standard camera lens to convert it to a macro lens. The separate lens is the more expensive. Buying any special lenses for a camera is always expensive and, in most cases for the beginning fish photographer, unwarranted.

A good set of extension tubes is a practical, versatile means of taking close-ups. With extension tubes, the distance between camera and subject can range from several feet to a mere two inches. Extension tubes generally come in sets of three. Prices range from \$20 to \$50, depending on the adjustment system which can be either manual or automatic. The more expensive automatic is designed to couple with a camera's automatic metering system.

Bellows are not really suitable for fish photography. The range is frequently too close and adjustment is too time consuming.

There is the question of camera filters. I match film and light in an effort to eliminate the need for filters. Filters require extra light to compensate for filter thickness and color. Light produces heat, heat affects fish and is, therefore, undesirable.

The brand and type of film you use will affect the quality of your pictures. Different films give different color renditions. Light, determined by light equipment, shutter speed and film sensitivity, also influence the final picture. As you experiment with different combinations of distance, shutter speed, film and light, keep a log with pertinent information and the numbers of the shots on the film roll. Then, when you get the developed pictures, you will know exactly what you did to get that super shot.

I've done a lot of experimenting and now use the following film- light combinations exclusively: GAF Daylight 64 with strobe; GAF Daylight 200 with strobe; GAF Indoor 200 with floodlights; Kodak Ektachrome X with a cool white fluorescent bulb.

The fish set-up is the next topic for consideration. You need a suitable tank. The aquarium glass must be very clean for maximum clarity. The tank should be set up with light colored gravel, a background which contrasts with the fish coloration, and some aquarium plants. Amazon swords, water sprite, elodea, and hornwort are good choices. I have found that a small tank makes confining a fish's movement easier. A 2½ gallon tank is ideal. A moveable glass partition placed behind the subject fish stabilizes the depth of field by limiting the front to rear movement. In some cases, a teaser fish should be placed behind the glass partition to entice the subject fish. You will get more cooperation. Bettas, for example, will display finnage and color better if a male teaser

# PHOTOGRAPHY.....

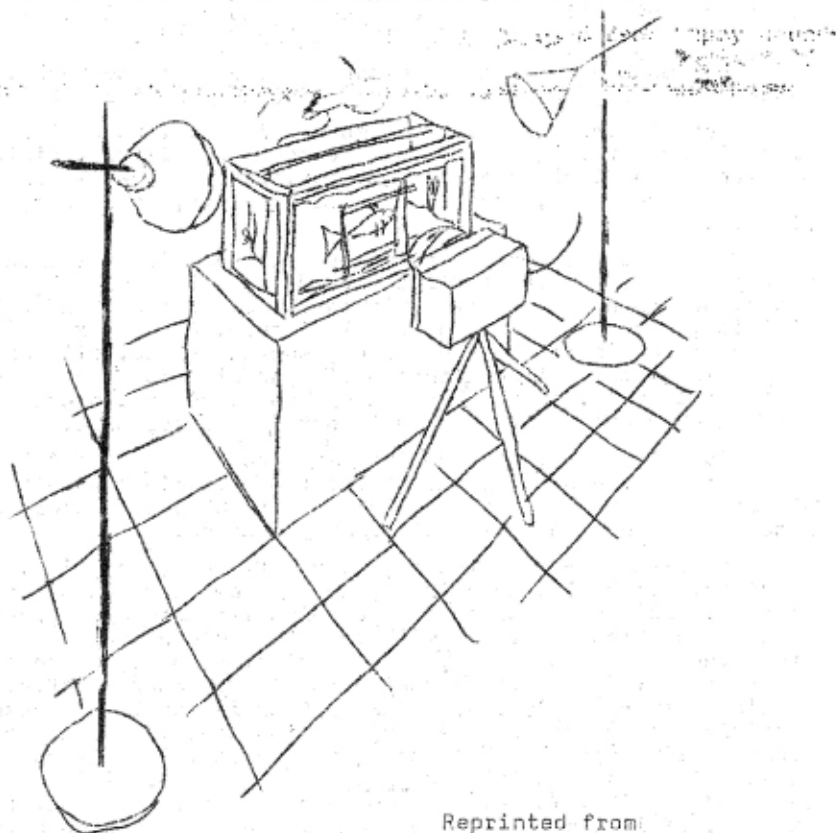
fish is used.

Once the tank is set-up, for practice, drop a clothespin into the tank and focus on it. Look through the camera viewfinder and, with masking tape, mark the outer edges of the viewing field on the tank side. This way you don't have to constantly look through the viewfinder.

Below is a picture of how the whole set-up should look. Now, put the fish in the tank. Focus on the head. Hold your electronic flash over the tank. When the fish is nicely positioned in the taped area, release your shutter cable.

CAUTION! With floodlights on, the tank water will heat to 90° in about 5 minutes. Have everything ready before turning on the floodlights and turn them off as soon as possible.

These are the basics of fish photography....experiment and keep accurate records so you can duplicate good combinations.



Reprinted from  
Guppy Roundtable 5/77

-13-



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Alex Kovacs

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03	Guppy Food.....	1.00
04	Infusoria Powder.....	1.50
05	Dried Shrimp Meal.....	.80
06	Shredded Shrimp.....	1.50
07	Dried Liver Meal.....	1.00
08	Dried Beef Meal.....	.75
09	Dried Fish Meal.....	1.10
010	Blue Crab Meal.....	.75
011	Fish Treet (B-G) Vitamin..	1.05
	Fortified	
001	Bausman Fish Tonic.....	.80/1 lb. 3.75/5 lbs.
002	Magic Aquarium Ball	
	Tank Neutralizer.....	.25 ea. 2.80/doz.
003	1 oz. Food Sampler --	
	Choice of 10.....	2.00

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NO.	ITEM	PRICE	Price available on request.
0010	Micro-Worms culture.....	\$1.75 ea.)	
0011	White Worms culture.....	1.75 ea.)	All 3 - \$5.00
0012	Meal Worms culture.....	1.75 )	
0013	Mystery Snails (lg.).....	.50 ea.	
0014	Rams Horn Snails (lg.)...	.50 ea.	

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## PROFILE ON THE EXPERTS.....

## BOB HOITT

Bob Hoitt is another of the rare breed of guppy enthusiasts to win a place in the Annual Championships in his very first year of showing. Bob joined New England Guppy Association in 1975 and began showing in 1976. He captured a 4th place in Purples (his favorites!) even though he only exhibited in three shows! That takes a lot of winning to accumulate enough points in 3 shows to place in Annual Standings.

Bob and Pat and their 2½ (Think they're trying to tell us something??) children are from Plymouth, Massachusetts. Like many of us, Bob says he has had fish on and off since he was about 10 years old. Guppies have always been his main interest though, and he has been keeping them seriously for about four years now. He raises purples and blacks.

His breeding technique is to keep 2 or 3 males with every 3-4 females. He maintains two separate lines in each color variety and selects only 1 dropping of fry from each female. Then he chooses all future breeding stock from the best dropping.

Bob's fish room consists of 35 tanks. The temperature of the room is kept at 75°. The water temperature ranges from 68-72°. Until recently, Bob used warmer water but he finds he is having less problems with tails and generally healthier fish which require less feedings. He gives only three heavy feedings daily: Morning- Dried food and shrimp; Noon- Paste or dried food; Evening- dried food and shrimp. Sounds like a nice simple way to feed! 30-50% of the water in his tanks is changed at least every other week.

As for Bob's tips for beginners....."Buy the best show quality fish available. If you don't want to pay the price (they are expensive) then keep goldfish! Save only the amount of fry you can maintain and properly care for (1 per gallon of water maximum).

With such a fine first year in showing fancy guppies, it's highly probable the name Bob Hoitt is one to remember!

Good Luck in Fort Wayne!  
 Attend the Meeting!

IFGA POINT STANDINGS AS OF JUNE 28, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1 J&M Walker	1848	1 S. Shubel	2380	1 L. Wasserman	2184
2 J&S Woodruff	1610	2 G. Parrish	474	2 M. Lastella	2016
3 A. Ahrenholz	812	3 B&H Lapp	434	3 J&M Walker	308
4 A.R. Mueller	196	4 B&J Orth	420	4 B. Hazzard	294
BLACK CLASS		MULTI CLASS		AOC CLASS	
1 L. Wasserman	2468	1 R. Szydluk	2100	1 B&J Orth	2464
2 B&J Orth	1246	2 J. Horan	1246	2 E. Golimowski	826
3 A. Prall	742	3 R&L Williams	1022	3 D. Han	476
4 H. Coren	336	4 D&L Grigg	350	4 R. Szydluk	280
BICOLOR CLASS		PURPLE CLASS		SNAKESKIN CLASS	
1 R. Szydluk	4746	1 T&P Allen	1848	1 J. Zelk	2184
2 M. Lastella	1204	2 G. Parrish	1162	2 W&M Brandeberry	1890
3 E. Golimowski	924	3 B. Hoitt	784	3 C. Parrish	1190
4 A.R. Mueller	700	4 R. Iorio	770	4 M. Regent	616
GOLD CLASS		YELLOW CLASS		BRONZE CLASS	
1 B&H Lapp	1512	1 B. McGovern	2170	1 J&M Walker	2142
2 T&S Wasylink	616	2 G. Parrish	448	2 L. Wasserman	1400
3 D. Saurers	406	2 J. Wolcott	448	3 R. Yator	462
4 L. Wasserman	280	4 T&S Wasylink	294	4 B&E Brunton	126
ALBINO CLASS		SWORDTAIL CLASS		H/B AOC CLASS	
1 J&M Walker	2632	1 J. Horan	2496	1 M. Lastella	2072
2 M. Lastella	644	2 D. Saurers	1330	2 L. Wasserman	1260
3 T&S Wasylink	630	3 J.P. Schroeder	672	3 J. Rezutka	420
4 D. Han	210	4 L. Allen	504	4 D&M Crabtree	392
				4 M. Regent	392
H/B RED CLASS		H/B PASTEL CLASS		H/B BLUE CLASS	
1 L. Wasserman	2660	1 T&S Swatkowski	1456	1 M. Lastella	2534
2 T. Archbold	798	2 G. Parrish	1064	2 T&S Swatkowski	644
3 D. Epple	672	3 J&M Walker	686	3 L. Wasserman	518
4 M&H Jinkerson	644	4 F. Jamoil	602	4 G. Wachter	378
BREEDER MALE CLASS		BREEDER FEMALE CLASS		H/B FEMALE CLASS	
1 F. Orteca	2100	1 E. Golimowski	1596	1 M&H Jinkerson	518
2 M. Lastella	1890	2 D&M Crabtree	1428	2 A. Kovacs	284
3 S. Shubel	1050	3 D&L Grigg	462	3 T. Archbold	280
4 L. Wasserman	980	4 A. Kovacs	252	4 D&M Crabtree	140
BL/GREEN FEMALE CLASS		RED FEMALE CLASS		AOC FEMALE CLASS	
1 A&V Gonzalez	518	1 D. Polunas	546	1 E. Golimowski	574
2 J. Horan	434	2 E. Golimowski	406	2 M&M Golimowski	182
3 D&M Crabtree	154	3 J&S Woodruff	182	3 J. Horan	126
4 E. Golimowski	126	4 M&H Jinkerson	112	4 D&M Crabtree	98

STANDINGS.....

GOLD FEMALE CLASS		BLACK FEMALE CLASS		ALBINO FEMALE CLASS	
1 D. Saurers	658	1 A&V Gonzalez	672	1 T&S Wasylink	1162
2 T&S Wasylink	196	2 H. Coren	168	2 T. Barchalk	56
3 B. McGovern	154	2 D&M Crabtree	168	3 D. Han	42
4 T. Barchalk	70	4 A. Berg	126	3 J&M Walker	42
4 B&H Lapp	70				
4 T. Lobello	70				
FEMALE GRAND	PTS	MALE GRAND		PTS	
1 Eugene Golimowski	2065	1 Lou Wasserman		8190	
2 A&V Gonzalez	1540	2 Mike Lastella		7700	
3 D&M Crabtree	1085	3 Stan Shubel		4130	
4 Don Saurers	665	4 Glen Parrish		3995	
5 Alex Kovacs	525	5 J&M Walker		3150	
6 T&S Wasylink	490	6 Rich Szydluk		2480	
7 M&H Jinkerson	420	7 Ron Iorio		1505	
8 Jim Horan	315	8 Jim Horan		1470	
8 David Polunas	315	9 Eugene Golimowski		1225	
10 Terry Barchalk	210	10 Frank Orteca		1120	
10 D&L Grigg	210				

CULTURING MICROWORMS THE (WELL, ALMOST) NO SMELL, NO WORK WAY  
by Judy Venzke

Almost any hobbyist will grant the many benefits of micro-worms as a live food...these little worms live a long time in the tank, their tiny size makes them suitable for all but the tiniest newborn fry, fish up to the size of adult swordtails relish them, etc, etc. They do, however, have one drawback....if a culture goes bad, the stench it produces is absolutely unforgettable. I used to culture these worms in small freezer boxes. A culture of this size needs to be renewed at least every two weeks, or it will go bad. As I am basically lazy, I often neglected to renew my culture until too late. So I hit on an easier method.....

I now keep my culture in 4 or 5 quart ice cream buckets. A culture this size will produce vast numbers of worms for at least a month, moderate amounts for another couple before it goes completely bad.

I keep four cultures going. Every two to four weeks I dump out the two oldest cultures and start two fresh ones. It takes 4-5 days for a culture this size to start producing worms, so keep that in mind. Recipe for two large cultures: Cook two servings of oatmeal and two servings of Ralston (in the same pan) as per instructions, except omit the salt. Dump in some wheat germ if you have it. I use regular oatmeal and instant Ralston so I dump the oatmeal in the total amount of water, let it cook awhile then dump the Ralston in. Cook it until it's ready to eat, then set it aside to cool. It will stiffen as it cools, but don't worry about that.



# MICROWORMS.....

Meanwhile, thoroughly roughen the insides of two ice cream buckets with a coarse grade of sandpaper. (Not the bottom, just the sides) This gives the worms a "ladder" to climb up on. Rinse and let dry. (I find it is a good idea to re-roughen the sides of the container every time I re-start a culture. I guess the grooves get worn off as I scrape out the worms.) Punch a SMALL hole in the top.

When the cereal mixture is at room temperature, stir in some cider vinegar. I wish I could tell you how much. I would guess I use between 1/4 and 1/3 cup....enough so the mixture has a faint vinegary smell. Stirring in the vinegar will "unstiffen" the mix some so you can spread it in the containers.

Before you do this, however, sprinkle on some active dry yeast and stir it in. Again I can't tell you exactly how much. Just pretend you're lightly salting something as you sprinkle. Now divide your mixture into the two prepared containers....you don't have to spread it evenly, just smear it around enough to cover most of the bottom. Now sprinkle on another "salting" of yeast for each culture, but this time don't stir it in. Add some worms from another culture and you're all set.

One word of caution....If you're like me, sooner or later a worm culture will get shoved into an obscure corner and forgotten for a number of weeks. If the sides of the container look black when you find it, you know it's gone bad. With a culture this size it's probably a good idea to sacrifice the container and dump the whole mess WITHOUT OPENING IT!!! If you're really hard up for covered buckets, dump it outdoors in the middle of the night..... and don't BREATHE!

\*\*\*\*\*

reprinted from Minot FishTale  
3/77

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## BAY AREA GUPPY ASSOCIATION

### IFGA 7 POINT GUPPY SHOW

October 8-9, 1977

LOCATION: Southland (enclosed) Shopping Mall, Winton Ave., Hayward, California

#### GENERAL RULES:

1. All entries must be registered by 10 AM, Saturday, Oct. 8, 1977.
2. Judging begins at 3:30 PM by visual elimination according to the IFGA standards and point system applicable to each class. A 75 watt incandescent flood light will be used during judging with black backgrounds used throughout. The decision of the judges will be final.
3. Exhibitor determines classification of entry. Assistance in classification will be available, if needed, at the time of registration. No gravel, greens or decoration may be

# BAGA RULES.....

1. used with any entry. Appropriate containers will be provided by the BAGA.
4. Every precaution will be taken against loss or damage of any fish, but the BAGA will not assume responsibility for such loss or hazard.
5. No entries shall be removed from the show area prior to the close of the auction or 5 PM, whichever comes first. BAGA MEMBERS WILL REMOVE FISH FROM THE DISPLAY AND RETURN THEM TO THE EXHIBITOR. No exhibitor will be allowed to remove any fish from the show bench.
6. The novice class is open to those who have never been awarded first place in an IFGA sanctioned point show.

#### ENTRY FEES:

1. Single entries \$1, tank entries \$2, breeder entries \$3.
2. All fish entry fees must be prepaid. No entry fees will be refunded after fish are benched.

#### SHIPPING AND MAILING:

1. All shipped and mailed entries must arrive no later than 12 noon Friday, October 7. Shipments arriving later cannot be picked up.
2. For AIRMAIL SPECIAL DELIVERY send to: James Heller, 1919 Lockwood Ave., Fremont, CA 94538.
3. For AIR FREIGHT send prepaid shipments to: James Heller, 1919 Lockwood Ave., Fremont, CA 94538. Clearly mark "HOLD AT AIRPORT, CALL ON ARRIVAL (415)-656-2399."
4. Fish received from within the U.S. and Canada will be auctioned unless return shipping costs and entry fees are included. Exhibitors from overseas need not prepay entry fees.
5. AIR FREIGHT shipments may be returned collect if desired.

#### AUCTION:

1. An auction beginning at 2 PM will conclude the show. The auction is limited to those entries coming from at least 200 miles away.
2. Exhibitors wishing their fish auctioned shall so specify on the entry form. BAGA will retain 25% of the auction price.
3. Entries to be auctioned will be clearly marked after judging has been completed.

#### CLASSES: (71 classes)

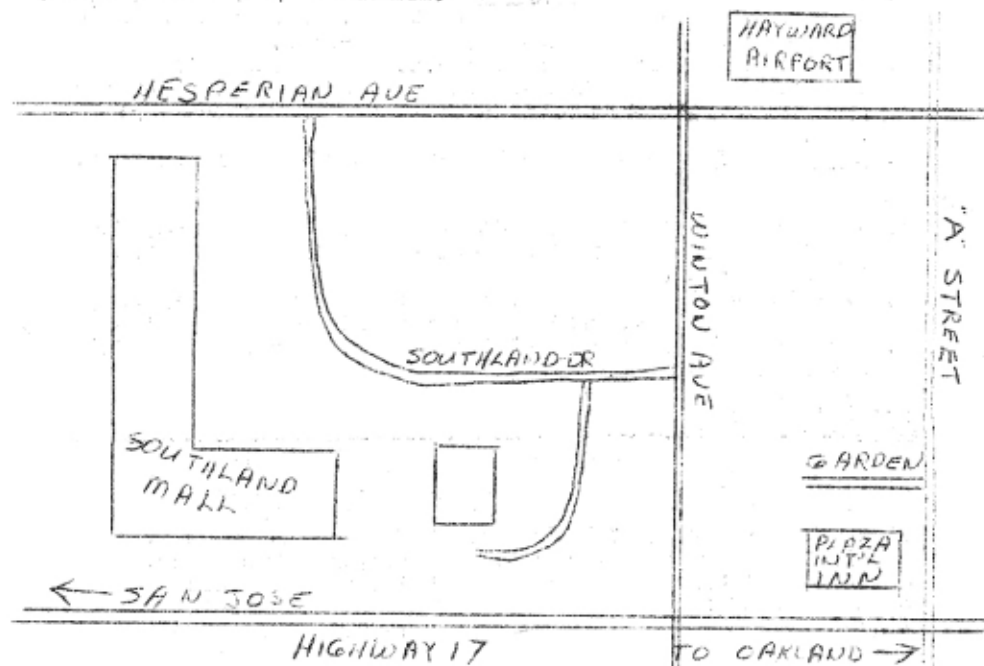
TANKS			DELTA		
Red	Gold	H/B AOC	Red	Gold	
Blue	Multi	Red Bicolor	Blue	Multi	
Green	AOC	Blue Bicolor	Green	AOC	
Black	Snake Sol.	AOC Bicolor	Black	Snake Sol.	
Purple	Snake Var.	Swordtail	Purple	Snake Var.	
Yellow	H/B Red	Novice	Yellow	H/B Red	
Bronze	H/B Blue		Bronze	H/B Blue	
Albino	H/B Pastel		Albino	H/B Pastel	
				H/B AOC	

## BAGA RULES.....

VEILS	COMBINED	FEMALES
Red	Red Bicolor	Red
Blue	Blue Bicolor	Blue/Green
Green	AOC Bicolor	Black
Black	Swordtail	Albino
Purple	Novice	Gold
Yellow	Breeder Male	AOC
Bronze		H/B AOC
Albino		Novice
Gold		Breeder Female
Multi		
AOC		
Snake Sol.		
Snake Var.		
H/B Red		
H/B Blue		
H/B Pastel		
H/B AOC		

## ACCOMMODATIONS:

The closest accommodations to Southland is Plaza International Inn at 410 West "A" St., Hayward, CA 94541 415-785-0260. Make reservations at least two weeks in advance. Rates are \$21 (2 people king size bed) or \$23 (2 queen size beds) plus \$2 each additional person with 4 people maximum.



## SETTING UP A FISH ROOM

by Dick Burdick

During the past couple of years I've noticed that more and more articles are being printed for the beginner and many for the advanced aquarist; but very few for the person who has advanced beyond the novice category and hasn't decided to become an "Expert". In some aspect of the hobby.

Granted, that in order to get into the hobby, you must start somewhere and the novice articles are invaluable in teaching the beginner what you and I already know. On the other hand, the articles by the expert are invaluable to all of us, as the information they pass in is what allows the rest of us to advance in the hobby. But in truth, I enjoy and aim to get the most out of articles written by other middle-ground aquarists. Their problems are the same as mine and many of their observations can be used right away in my own fish room.

Looking for a subject that hasn't been covered too thoroughly of late- let's talk about setting up a fish room. First off, what is a fish room? For some of us it may be a couple or three tanks in our bedroom or den; for others it may be a tier of tanks in a spare room or some basement area; while for the others that I know of live in their fish rooms.

But no matter what the size of your fish room, there are certain similarities, and requirements that are common to most.

CONVENIENCE: In order to be used and enjoyed, the room should be in a place where scrupulous cleanliness is not required. If you are going to be fooling around in your tanks and performing breeding experiments, you'll find that keeping them in "show tank" shape is more bother than it is worth.

Secondly, consider ease of maintenance; is there a water supply and drain in or adjacent to the room? While it is not impossible to change water and clean tanks by the good old "bucket brigade" method, it becomes very tedious after a few months or years. My first fish room was 14 steps from the bathroom. And with 23 tanks to maintain weekly, this is 14 steps engraved in my memory. My present fish room, while not as large, is right in the laundry room and is noticeably more convenient.

Lastly, is the room convenient to work in? If you want to write about your fish- is there room for a small desk or table? If you want to photograph your fish, is there a way to do so conveniently? If you want to spawn egg layers or raise guppies, is the tank space that you'll require available? And so forth. There may be other factors that are important to you, but the above may give you some ideas.

TEMPERATURES AND LIGHTING: This may not seem too important at first glance. As we all know, most of our tanks have lighted hoods and an inexpensive tank heater can always be used. Two points to make here....let's say you have a 50 watt heater and 25 watts of lighting in each tank (75 watts- big deal). Now say you have 10 such tanks (750 watts) but they're not always on. OK- now 750 watts/100 volts equals 7 amps....nearly 1/2 the capacity of a normal house



## FISH ROOM.....

circuit. What this means is some cold winters night, at some moment when all the heaters are on, you turn on the washing machine, or plug in a coffee pot and ZOT!! Outside you go to replace a fuse or reset a breaker.

The second point, all plants, and many fish, seem to do a little bit better when they get at least some sunlight. Therefore, if the room can be "sunlighted" for a couple of hours a day.... so much the better.

Before leaving the subject of temperature let's add that heating the fish room to near the desired temperature is much better than trying to maintain the temperature solely through heaters (MUCH cheaper also). What do you do if some of your fish require cooler temperatures than others? Even in the best insulated houses, the floor area is much cooler than the intermediate or upper portions. As an example (two rooms measured) ankle level about 10 degrees cooler the face level. Therefore, keep the cooler tanks on the floor level or low in the room and the warmer tanks higher.

LOCATION: I mention this solely because of a couple of incidents I've witnessed over the years. For 2 or 3 smaller tanks, don't worry. But if you have many tanks or larger tanks, consider the floor support in your room. A basement floor (concrete) is very sound and should give no problems, but an upper floor can damage by settling under the weight of tanks and cause serious damage to the floor system. If you must use an upper floor, try to keep most of the weight against an outside wall. In addition, if your tanks or set up are supported by many floor joists, it is much better than setting up parallel to these joists. (a quick look under the house before setting up your room can save a lot of grief later) Remember that one gallon of water weighs about 8 1/3 lbs. While a gallon of sand or rocks weighs about 20 lbs. That cute little 5 gallon set up will weigh in at well over 50 lbs. A 15 gallon weighs about 165 lbs. A set up 3 high and 3 wide of 15's will put over 3/4 ton on an area 1 1/2 ft by 6 ft. While most floors will carry this load without breaking, almost all will settle if not placed perpendicular to the floor joists.

While admittedly we've only touched the high spots in setting up a fish room, hopefully we've touched on enough points to help you in your planning when changing or setting up your sanctum sanctorus.

reprinted from  
Colorado Aquarist  
5/77

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## ATTENTION ALL CLUBS.....

According to IFGA constitution all clubs are required to have a delegate or alternat attend the Annual Meeting and at least 1/2 of the other meetings. This means if you did not attend the April

## ATTENTION CLUBS.....

meeting in Toledo you must be represented at the August Meeting in Fort Wayne to remain in good standing. Clubs which do not meet this obligation lose all voting rights, miss out on important changes to the judging rules and regulations, and no longer receive the Bulletin. If your club does not have an alternate or delegate who can attend the meeting, an alternate can be chosen to represent you from a list obtainable from either Midge Hill (address on front cover) or the editors.

\*\*\*\*\*

## NORTHERN OHIO GUPPY BREEDERS ASSOCIATION IFGA SANCTIONED NON-POINT SHOW SEPTEMBER 24-25, 1977

LOCATION: Summit Mall, 3265 W. Market St., Akron, OH

SCHEDULE: Saturday-Sept. 24	Sunday-Sept 25
11 AM- 6 PM Registration	10 AM-5 PM Open to public
11 AM -6 PM Benching	2 PM Awards Presentation
7 PM Judging	2:30 PM Grand prize drawing
10 AM-9 PM Open to public	Auction to follow drawing
	5 PM Debenching

## GENERAL RULES:

1. All entries must be registered by 6 PM Sat., Sept., 24
2. Exhibitors to determine the class in which their entries will compete. Assistance in classification will be available at the time of registration.
3. All entries improperly placed will be disqualified and will not be judged.
4. Every precaution will be taken against loss or hazard of any kind, however, neither NOGBA nor Summit Mall can assume responsibility for losses which might occur.
5. Lighting will be overhead fluorescent.
6. Background will be of black material.
7. Bowls and tanks will be furnished at no charge. No gravel, plants or decorative material will be allowed.
8. No fish will be removed from the show area until 5 PM Sunday and then only by authorized persons.
9. All entry fees must be prepaid.
10. Judging will begin at 7 PM Sat., Sept., 24. Entries will be judged according to IFGA standards.
11. Observers to the judging must register prior to 6:45 PM. Remember: Judging or observing at a non-point show counts toward accreditation requirements.
12. An auction, open to the public, will be held at 2:30 PM Sun., Sept. 25. NOGBA will retain 25% of the sale price of all fish sold. Exhibitors should indicate fish for auction at time of registration.

## ENTRIES:

Single entries: To consist of 1 male or 1 female shown in 1/2 gallon drum bowls. One female may be added to the male

NOGBA RULES.....

entries but will not be judged. ENTRY FEE: \$1.00

Tank Entries: To consist of 2 matched males. One female may be added but will not be judged. ENTRY FEE: \$2.00

BREEDER MALES: To consist of 5 matched males. Two females may be added but will not be judged, ENTRY FEE: \$3.00

Novice Male: Open to anyone who has not won a first place in IFGA competition.

SHIPPED IN ENTRIES:

1. All shipped in entries must be received by Saturday, Sept 24 at 10 AM.
2. Be sure all fish are marked clearly as to the exhibitors name, address, and the class to be entered.
3. All shipments must be prepaid. No collect shipments of fish will be accepted.
4. Unless specifically requested otherwise, all shipped in entries will be auctioned. Should the exhibitor desire the fish be returned, it should be so stated on the entry form and the return shipping charges be included with the shipment.
5. AIR MAIL SPECIAL DELIVERY: Send to Ed Porter, 7470 Selwick Dr., Parma, OH 44129.
6. AIR FREIGHT: Send to Cleveland Hopkins Airport. Mark: CALL ON ARRIVAL: Ed Porter. 216-842-0002.

CLASSES Trophy- 1st place; Rosettes- 2nd, 3rd, 4th

## MALE 13 CLASSES COMBINED DELTA/VEIL

FEMALES-4 Classes

Red	H/B Red	Multi
Blue	H/B AOC	Snakeskin
Green	AOC	Red Bicolor
Black	Purple	AOC Bicolor

## BREEDER MALES

All colors combined

Red  
Blue/ Green  
H/B  
AOC

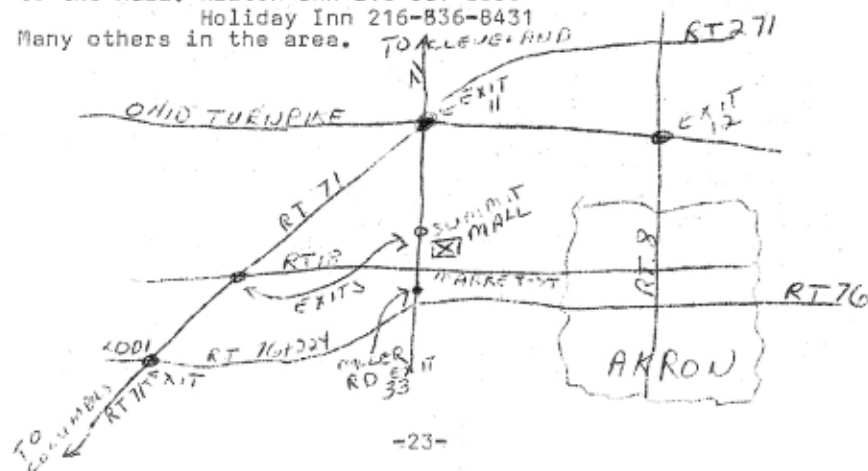
## TANK-1 class

All colors combined

ACCOMODATIONS: Accomodations available adjacent to the Mall. Hilton Inn 216-867-5000

Holiday Inn 216-836-8431

Many others in the area.

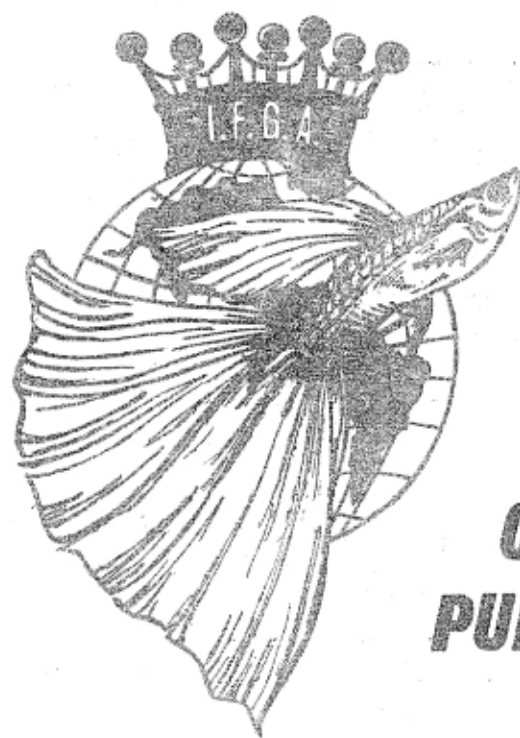


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1. Stan Shubel  
8715 Hidden Lake Dr.  
Howell, MI 48843
3. Pop Morgan  
4824 E. New York St.  
Indianapolis, IN 46201
6. Midge Hill  
9903 Candia Dr.  
Whittier, CA 90603
8. Mike Regent  
17 Autumn Court  
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35. Earl Hansen  
14540 Birch St.  
Orland Park, IL 60462
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INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION



**OFFICIAL  
PUBLICATION**

# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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Toledo, Ohio 43613

MEMBERSHIP

Membership in IFGA is limited to groups of 5 or more people.  
Rates are \$15 per year per club. For more information contact:

Membership Chairman

## OFFICIAL BULLETIN of the INTERNATIONAL FANCY GUPPY ASSOCIATION

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ISN'T IT GREAT TO SEE ALL THE ORIGINAL ARTICLES THIS MONTH?!!!!!!



# EDITORIAL

by Bob Hanna

Recently I wrote to Mr. Heinz-Gunter Voistlander in Berlin, Germany in reference to the German Guppy Federations Show requesting information on their classes and show rules. I'd like to share the letter I received with you.

Dera Ms. Hanna,

I've got your letter from Mr. Voistlander as he does not understand one word of English. He is a very good friend of mine. I am the Overseas Secretary of the German Guppy Federation. I am pleased that you would like to send fish to our International Show. I am including all details that you need to enter our show in Germany. I am also sending you a copy of our Guppy Standards and also a copy of our last edition of our Journal. We are very interested in obtaining your Official Rules & Judging Standards. Our show is on Oct 1st and 2nd, 1977. Fish MUST be in Berlin at the latest the 28th of September. The shipping address is:

Mr. Heinz-Gunter Voistlander  
Halenweg 18  
1000 Berlin 13

Mark on package: PLEASE CALL ON ARRIVAL- 380 52 67 or 334-69-13  
SHOW FISH- NO TRADING VALUE

We only show sets of three matched males! Females can be included but will not be judged.

Normally we sell the fish and with the money gained we pay for your package in the show. Here in Germany there are a lot of breeders VERY interested in sending and showing their guppies. Is there any chance to win against the wonderful American Guppies? If you want the auction money back please let me know.

None of the real breeders here in Germany like to trade their fish. We only breed them and show them at international shows in Europe and hopefully America.

If you will write me again you will make me happy. In this way the two continents come a little closer. I don't know how to pay for your rules and Judging Standards. Please excuse my bad English and mistakes, hope you can understand it nevertheless. Hope to see your guppies at our show and hear from you in the near future.

Sending my best regards and kindest wishes,

I am sincerely,  
Silke Sander  
Overseas Secretary  
Mariendorfer Damm 116  
1000 Berlin 42, Germany

\*\*\*\*\*

Maybe if a few of us would write to Mrs. Sander and try to answer her questions; we would TRULY be on our way to deserving to call ourselves INTERNATIONAL.

Think what size our shows could obtain with entries from Germany, Austria, England, France, South Africa. I'm sure their

# EDITORIAL.....

articles will be interesting to read in our Bulletin, as ours would be in theirs! (As soon as I can get them translated from German to English---and the standards as well!) If we could show in European shows and have them show in ours, once again we would be PROMOTING INTEREST IN THE FANCY GUPPY and we could also truly be AN INTERNATIONAL CLUB with worldwide participation.

Here is a chance to move forward once again. I hope that someone will authorize us to start sending a Bulletin each month in the exchange program so we can receive theirs and print interesting articles from the Europeans viewpoints in our Bulletin. Let's all who have a chance to write do so and MAYBE it will come about.

I have a copy of their show classes if any one wants the information. My address and phone number is as follows:

Bob Hanna  
7124 Ridgedale  
Lambertville, Mich 48144  
PH- 1-313-856-6809

Regretfully, as of the changes in Fort Wayne, we cannot print the information as they did not send a \$10 advertising fee.

See you in Chicago!!!

\*\*\*\*\*

## MAIL SURVEY STATISTICS

The results of our mail survey are in. The first class subscriptions seem to be arriving OK. They were mailed July 2. What with a Sunday and a holiday, 66% received their Bulletin on July 5th. 28% on the 6th, 2% on the 7th, and 4% on the 8th. Not too bad, I'd say.

Even the 3rd class copies were not too slow in arriving. However, the dates varied widely:

3%	on the 5th
3%	7th
7%	8th
3%	11th
3%	12th
3%	13th
7%	14th
14%	15th
14%	18th
7%	19th
10%	20th
10%	21st
7%	22nd
7%	23rd
3%	25th

We talked to the Post Office people to try to get an explanation. They told us that 3rd class mail goes out on a first come first serve basis as load limits permit. So if a carrier's route load is say 100 lbs of mail a day, and he has 75 lbs of 1st class mail, then 25 lbs of 2nd and 3rd class goes too. If he has 99 lbs, 1 lb goes, etc. That means 3rd class can sit around the Post Office for several days at each end because the transporters work the same way. Even so, 43% got their copies within two weeks and 97% within three weeks.. That's pretty fair.

# SACRAMENTO GUPPY BREEDERS ASSOCIATION

July 30-31, 1977

7 Point Show

372 Entries

JUDGES: Midge Hill, Mike Khalid, Dale Marteeny, David Boone

ASS'T JUDGES: George Chin, Diane Boone, Rich Szydlak

OBSERVERS: Earl Jack, Jim Alderson, J.N. Heller, Kiki Heller, Jerry Gabor, Bryan Chin, Trula Anderson, Judy Bryan, Bruce Burton, Brad Saulillo

## BEST OF SHOW

MALES: (Green D.) (Gold Com) (H/B Red D.) (Blue D.)  
1 M. Lastella 2 L. Wasserman 3 L. Wasserman 4 L. Wasserman

FEMALES: (AOC) (Black) (Bl/Green) (Red)  
1 E. Golimowski 2 A&V Gonzalez 3 A&V Gonzalez 4 E. Golimowski

TANKS: (H/B Red) (Blue) (H/B AOC) (Snake-Sol)  
1 L. Wasserman 2 G. Parrish 3 M. Lastella 4 L. Wasserman

BREEDER FEMALES: (6)

1 E. Golimowski 2 E. Golimowski 3 E. Golimowski 4 J. Bryan

BREEDER MALES: (7)

1 M. Lastella 2 F. Orteca 3 F. Orteca 4 F. Orteca

	TANK	DELTA	VEIL
RED:	1 J&M Walker (5) 2 J&M Walker 3 J&M Walker 4 J&S Woodruff	J&S Woodruff (8) J&S Woodruff J&M Walker J&M Walker	J&S Woodruff (7) J&M Walker J&M Walker J&S Woodruff
BLUE:	1 G. Parrish (4) 2 S. Shubel 3 L. Wasserman 4 D. Crft	L. Wasserman (7) G. Parrish S. Shubel S. Shubel	S. Shubel (4) L. Allen B&J Orth B&J Orth
GREEN:	1 G. Chin (6) 2 M. Lastella 3 M. Lastella 4 M. Lastella	M. Lastella (8) L. Wasserman L. Wasserman L. Wasserman	M. Lastella (3) M. Lastella Disq. -----
BLACK:	1 L. Wasserman (2) 2 L. Wasserman 3 ----- 4 -----	L. Wasserman (3) L. Wasserman L. Wasserman -----	Disq Disq Disq -----
MULTI:	1 R. Szydlak (4) 2 R. Szydlak 3 L. North 4 L. North	M. Khalid (6) L. Wasserman M&M Golimowski R. Szydlak	R. Szydlak (4) R. Szydlak R. Szydlak R. Szydlak

## SGBA RESULTS.....

	TANK	DELTA	VEIL
AOC:	1 B&J Orth (1) 2 ----- 3 ----- 4 -----	E. Golimowski (4) J. McCarthy Disq -----	B&J Orth (2) B&J Orth ----- -----
YELLOW:	1 B. McGovern (2) 2 B. McGovern 3 ----- 4 -----	M. Lastella (3) B. McGovern B. McGovern -----	J&M Walker (3) B. McGovern B. McGovern -----
PURPLE:	1 G. Chin (8) 2 G. Chin 3 T&P Allen 4 G. Chin	D. Croteau (9) G. Chin D. Croteau T&P Allen	T&P Allen (5) T&P Allen T&P Allen T&P Allen
H/B RED:	1 L. Wasserman (5) 2 L. Wasserman 3 L. Wasserman 4 M. Khalid	L. Wasserman (12) L. Wasserman L. Wasserman L. Wasserman	Disq. (2) Disq ----- -----
H/B BLUE:	1 M. Lastella (3) 2 L. Wasserman 3 L. Wasserman 4 -----	L. Wasserman (6) L. Wasserman M. Lastella M. Lastella	T&S Swatkowski (5) T&S Swatkowski Disq Disq
H/B PASTEL:	1 T&S Swatkowski (4) 2 D. Boone 3 G. Parrish 4 L. Wasserman	G. Parrish (16) G. Pauly G. Pauly G. Pauly	L. Wasserman (10) F. Jamiol F. Jamiol B&P Shaff
H/B AOC:	1 M. Lastella (6) 2 M. Lastella 3 L. Wasserman 4 L. Wasserman	L. Wasserman (14) L. Wasserman L. Wasserman L. Wasserman	J. Rezutka (6) J. Rezutka J. Rezutka J. Rezutka
NOVICE:	1 Earl Jack (1) 2 ----- 3 ----- 4 -----	Jerry Gabor (6) Jerry Gabor Jerry Gabor Earl Jack	Jerry Gabor (2) Jerry Gabor ----- -----
	TANK	COMBINED	
BRONZE:	1 J&M Walker (14) 2 J&M Walker 3 L. Wasserman 4 L. Wasserman	J&M Walker (5) J&M Walker L. Wasserman J&M Walker	



SGBA RESULTS.....

TANK		COMBINED	
SNAKE	1 L. Wasserman (3)	L. Wasserman (8)	
SOLID:	2 W&M Brandeberry	D. Boone	
	3 T. Anderson	T. Anderson	
	4 -----	D. Boone	
SNAKE	1 L. Wasserman (6)	L. Wasserman (13)	
VAR.:	2 J. Zelk	M. Khalid	
	3 J. Zelk	T. Lobello	
	4 J. Zelk	C. Yahn	
GOLD:	1 L. Wasserman (4)	L. Wasserman (5)	
	2 L. Wasserman	L. Wasserman	
	3 L. Wasserman	L. Wasserman	
	4 L. Wasserman	L. North	
ALBINO:	1 J&M Walker (3)	J&M Walker (5)	
	2 J&M Walker	M. Lastella	
	3 M. Lastella	J&M Walker	
	4 -----	T&S Wasylink	
RED	1 M. Khalid (1)	L. Allen (12)	
BICOLOR:	2 -----	T. Anderson	
	3 -----	E. Golimowski	
	4 -----	T. Anderson	
BLUE	1 J. O'Brian (2)	G. Chin (7)	
BICOLOR:	2 M. Khalid	J. O'Brian	
	3 -----	L. Allen	
	4 -----	M. Khalid	
AOC	1 E. Golimowski (4)	E. Golimowski (12)	
BICOLOR:	2 B. Hanna	T&P Allen	
	3 B. Hanna	E. Golimowski	
	4 M. Lastella	M. Lastella	
SWORD	1 B. Hanna (1)	L. Allen (3)	
SINGLE	2 -----	L. Allen	
	3 -----	Disq	
	4 -----	-----	
SWORD	1 B. Puckett (1)	L. Allen (1)	
DOUBLE	2 -----	-----	
	3 -----	-----	
	4 -----	-----	
FEMALES			
RED:	1 E. Golimowski (9)	BL/GREEN:	1 A&V Gonzalez (2)
	2 E. Golimowski		2 A&V Gonzalez
	3 E. Golimowski		3 -----
	4 J&S Woodruff		4 -----

SGBA RESULTS.....

FEMALES			
BLACK:	1 A&V Gonzalez (6)	GOLD:	1 T. Lobello (8)
	2 A&V Gonzalez		2 M. Khalid
	3 A&V Gonzalez		3 T&S Wasylink
	4 A&V Gonzalez		4 L. North
ALBINO:	1 T&S Wasylink (4)	H/B RED:	1 J. Bryan (2)
	2 T&S Wasylink		2 M. Khalid
	3 T&S Wasylink		3 -----
	4 T&S Wasylink		4 -----
AOC:	1 E. Golimowski (8)	H/B AOC:	1 L. North (7)
	2 M&M Golimowski		2 L. North
	3 G. Chin		3 D. Boone
	4 C. Price		4 D. Boone
NOVICE:	1 J. Bryan (3)		
	2 J. Bryan		
	3 J. Bryan		
	4 -----		

Our sincere condolences go out to Emery and Jay Mann on the loss of their wife and mother, Helen, on August 4, 1977. Helen died quietly after a long illness.

PROPOSED IFGA SANCTIONED POINT SHOWS FOR 1978

Gateway Guppy Associates.....	Mar 25-26	Missouri
Midwest Guppy Club.....	Apr 8-9 Meeting	Illinois
Columbus Guppy Specialists.....	Apr 23-24	Ohio
Everglades Guppy Club.....	May 13-14	Florida
Pan Pacific Guppy Associates.....	June 3-4	California
Baltimore Guppy Club.....	June 24-25 Seminar	Maryland
East Coast Guppy Club.....	July 15-16	New York
Milwaukee Aquarium Society.....	July 29-30	Wisconsin
Northern Ohio Guppy Breeders.....	Aug 12-13 Meeting	Ohio
New England Guppy Association.....	Aug 26-27	New Jersey
Mayme Valley Guppy Association.....	Sept 9-10	Ohio
Indianapolis Aquarium Society.....	Nov 3-4-5 Annual	Indiana

These dates are tentative until the Annual in November.

ALGAE-POTENTIAL HAZZARD TO AQUARIUM HOBBIST?  
by Mary Brandeberry

Definition: Microscopic plant life genus of the Thallophyte genus. Color classification- red, brown, yellow, blue green, orange or green. Color depends upon the masking of color pigmentation over the chlorophyll pigmentation.

Algae is encountered in all water exposed to a vast amount of sun light for a definite period of time, or a natural light source given off by the lighting over a fish tank. The greater amount of algae present, the more change in water coloration.

It has been proven that various sources of blue-green algae produce a toxin when in bloom. This toxin can be quite lethal to wild and domestic animals. Although algae-poisoning to humans is quite rare, there have been cases of stomach upsets by people who used a common water source or swimming in an algae filled pond. Algae toxins were found. It is best to avoid all algae filled pools or make certain that the water you drink has been treated.

Red tide is an example of killing algae. The tides found along the coastal waters of the Gulf, Atlantic or Pacific Oceans. The name derived from the red algae. Phycoerthrin is the pigment that gives it its color. Whether it is the abundance of this chemical that kills is unknown. This algae will wash ashore with the tide, killing most shellfish and marine life. Bathers at this time are asked not to swim and shellfish fanciers are asked not to eat their catch because of the bacteria and toxins in the water.

Quite a few hobbyists have the belief that the greener the water, the better the fish. The theory (true) is that fish must have a vegetable matter as well as protein. What could be finer than all that greenery in the water.

However, it is utterly impossible to distinguish the non-toxic algae from the blue-green toxic species without the correct laboratory procedures. These tests include microscopic studies of the plant for identification and a toxicology report to measure toxins if any. It would be easier to get a green food to feed than take the attitude that this won't happen to me.

I wonder how many of us have found that our fish suddenly drop to the bottom belly up during the summer. We may have blamed the city water. But answer this question....."Was the water green?"

Also, too much algae can unbalance the chemical properties of an aquarium making a good way for bacteria to take over.

\*\*\*\*\*

Don't stop now! Show in Bay Area!

\*\*\*\*\*  
GUPPY ASSOCIATES INTERNATIONAL CHICAGO  
PROUDLY PRESENTS THEIR 13th GUPPY SHOW  
THE IFGA ANNUAL SHOW, JUDGING SEMINAR, AND AWARDS BANQUET  
NOVEMBER 4-6, 1977

LOCATION: Elk Grove Village, Illinois 60007

SCHEDULE: Nov. 4, 1977

1:00 PM- Judging Seminar

Nov. 5, 1977

9:00 AM- 5:00 PM Benching of entries

1:00 PM- 6:00 PM Meeting

7:30 PM Annual Awards Banquet

Nov. 6, 1977

8:30 AM-12:00 PM Judging

12:00 PM-3:00 PM Open to public

2:30 PM- 3:00 PM Awards presentation

Auction to follow awards presentation

GENERAL RULES:

1. All entries must be registered by 5:00 PM Saturday, November 5th.
2. A group of judges will visually judge the entries.
3. The exhibitor must determine the class of competition in which his entry is to be exhibited. However, assistance in classification will be available at the time of registration.
4. Lighting will be by Vita-Lite fluorescent.
5. Every precaution will be taken against loss of fish, theft, etc., but exhibitor assumes responsibility for loss.
6. Fish will not be removed from show until awards have been presented, at which time a member of GAIC will remove fish from the show area and return them to the exhibitor.

SINGLE ENTRIES:

1. All entries are to be exhibited in  $\frac{1}{2}$  gallon drum bowls,  $\frac{3}{4}$  filled with water. No gravel, greens, or decorations may be used. One female optional, but will not be judged. Bowls will be available at no charge. FEE- \$1.00

NOVICE CLASS:

1. Novice classes at open only to those who have never won a first place in open competition.

DOUBLE ENTRIES:

1. An entry will consist of two matched males. One female may be added but will not be judged. FEE- \$2.00
2. Entries will be exhibited in 2  $\frac{1}{2}$  gallon aquariums.

3 MATCHED FEMALES:

1. Entries will be exhibited in a 2  $\frac{1}{2}$  gallon aquarium.
2. All entries will be judged as one class.
3. FEE- \$3.00



# GAIC RULES.....

## BREEDERS CLASS:

1. An entry will consist of 5 matched males. 2 females may be added but will not be judged.
2. Entries will be exhibited in a 2½ gallon aquarium.
3. All entries will be judged as one class.
4. FEE- \$3.00

## AUCTION:

1. An auction will conclude the show.
2. Exhibitors wishing to have their entries sold at auction should so specify when registering by using the space provided on the entry form.
3. 25% of all auction proceeds will be retained by GAIC.

## FLOOR SALES:

1. A 25% charge will be made for all floor sales.

## CLASSES: 75 classes- 7 point show

DELTA	VEIL	TANKS	FEMALES
Red	Red	Red	Red
Blue	Blue	Blue	Bl/Green
Green	Green	Green	H/B Red
Purple	Purple	Purple	H/B AOC
Black	Black	Black	AOC
Multi	Multi	Multi	Gold
Yellow	Yellow	Yellow	Albino
H/B Red	H/B Red	H/B Red	Novice
H/B Blue	H/B Blue	H/B Blue	
H/B Pastel	H/B Pastel	H/B Pastel	
H/B AOC	H/B AOC	H/B AOC	
AOC	AOC	AOC	
Red Bicolor	Red Bicolor	Red Bicolor	
Blue/Green Bicolor	Blue/Green Bicolor	Blue/Green Bicolor	
AOC Bicolor	AOC Bicolor	AOC Bicolor	
Snakeskin Solid	Snakeskin Solid	Snakeskin Solid	
Snakeskin Var.	Snakeskin Var.	Snakeskin Var.	
Novice	Novice	Gold	
DELTA/VEIL COMBINED		Albino	
Gold		Bronze	
Albino		Single Sword	
Bronze		Double Sword	
		Novice	
SINGLES			
Single Sword			
Double Sword			

## SHIPPED ENTRIES:

1. All entries mailed or shipped by air freight must be received by noon, November 4, 1977.
2. It would be appreciated that prior notification on all shipments be given.
3. Entries may be shipped AIR MAIL SPECIAL DELIVERY to: Tom Allen, 304 Circle Ave, Lombard, IL 60148.

# GAIC RULES.....

4. Entries may be shipped AIR FREIGHT to: Tom Allen, 304 Circle Ave, Lombard, IL 60148. MARK: CALL ON ARRIVAL- 312-627-8051.
5. All shipping charges must be prepaid along with return fare. No collect shipments will be accepted. All fish shipped with no return fare will be auctioned.

## BANQUET & ROOM RESERVATIONS:

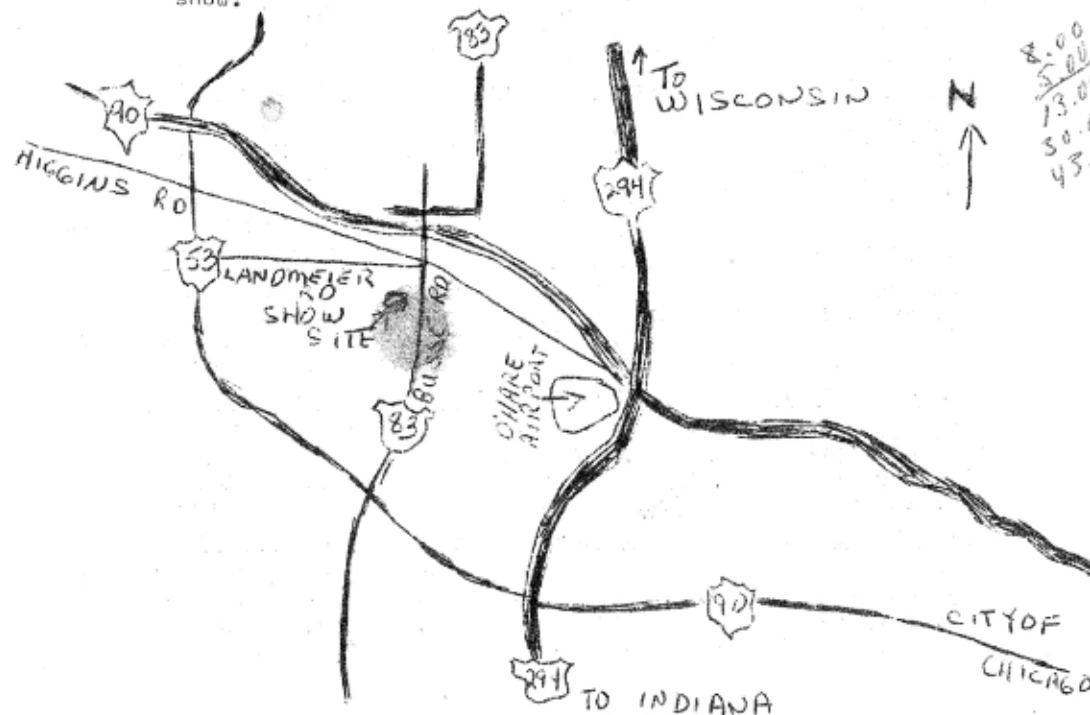
The Annual Award Banquet will be held on November 5, 1977 at 7:30 PM. Dinner will include:

CHILLED FRUIT CUP  
ROAST TOP SIRLOIN OF BEEF  
BAKED POTATO  
TOSSED SALAD  
GREEN BEANS  
DESSERT

Tickets will be available for \$8.50 each.

Banquet reservations must be made at least 10 days in advance.

Please contact Joe Rezutka, 5717 S. Newcastle, Chicago, IL 60638. Telephone: 312-586-2874 for reservations at motel and banquet, or for any further information regarding the show.



IFGA-POINT STANDINGS AS OF AUGUST 9, 1977

<u>RED CLASS</u>		<u>BLUE CLASS</u>		<u>GREEN CLASS</u>	
1 J&M Walker	2352	1 S. Shubel	2632	1 M. Lastella	2464
2 J&S Woodruff	1090	2 G. Parrish	679	2 L. Wasserman	2310
3 A. Ahrenholz	812	3 B&J Orth	490	3 J&M Walker	308
4 A.R. Mueller	196	4 L. Wasserman	462	4 B. Hazzard	294
<u>BLACK CLASS</u>		<u>MULTI CLASS</u>		<u>ADC CLASS</u>	
1 L. Wasserman	2888	1 R. Szydluk	2576	1 B&J Orth	2730
2 B&J Orth	1246	2 J. Horan	1246	2 E. Golimowski	896
3 A. Prall	742	3 R&L Williams	1022	3 D. Han	476
4 H. Coren	336	4 D&L Grigg	350	4 R. Szydluk	280
<u>BICOLOR CLASS</u>		<u>PURPLE CLASS</u>		<u>SNAKESKIN CLASS</u>	
1 R. Szydluk	4746	1 T&P Allen	2156	1 J. Zelk	2366
2 M. Lastella	1288	2 G. Parrish	1162	2 W&M Brandeberry	2002
3 E. Golimowski	1218	3 B. Hoitt	784	3 G. Parrish	1190
4 B. Hanna	812	4 R. Iorio	770	4 L. Wasserman	924
<u>GOLD CLASS</u>		<u>YELLOW CLASS</u>		<u>BRONZE CLASS</u>	
1 B&H Lapp	1512	1 B. McGovern	2618	1 J&M Walker	2548
2 L. Wasserman	840	2 G. Parrish	448	2 L. Wasserman	1582
3 T&S Wasylink	616	3 J. Walcott	448	3 R. Yater	462
4 D. Saurers	406	4 T&S Wasylink	294	4 B&E Brunton	126
<u>ALBINO CLASS</u>		<u>SWORDTAIL CLASS</u>		<u>H/B ADC CLASS</u>	
1 J&M Walker	2996	1 J. Horan	2496	1 M. Lastella	2324
2 M. Lastella	784	2 D. Saurers	1330	2 L. Wasserman	1596
3 T&S Wasylink	658	3 L. Allen	700	3 J. Rezutka	616
4 D. Han	210	4 J.P. Schroeder	672	4 D&M Crabtree	392
				4 M. Regent	392
<u>H/B RED CLASS</u>		<u>H/B PASTEL CLASS</u>		<u>H/B BLUE CLASS</u>	
1 L. Wasserman	3192	1 T&S Swatkowski	1596	1 M. Lastella	2744
2 T. Archbold	798	2 G. Parrish	1218	2 L. Wasserman	840
3 D. Eppe	672	3 F. Jamoil	714	3 T&S Swatkowski	770
4 M&H Jinkerson	644	4 J&M Walker	686	4 G. Wachter	378
<u>BREEDER MALE CLASS</u>		<u>BREEDER FEMALE CLASS</u>		<u>H/B FEMALE CLASS</u>	
1 F. Orteca	2730	1 E. Golimowski	2100	1 M&H Jinkerson	518
2 M. Lastella	2240	2 D&M Crabtree	1428	2 A. Kovacs	294
3 S. Shubel	1050	3 D&L Grigg	462	3 T. Archbold	280
4 L. Wasserman	980	4 A. Kovacs	252	4 D&M Crabtree	140
<u>BL/GREEN FEMALE CLASS</u>		<u>RED FEMALE CLASS</u>		<u>ADC FEMALE CLASS</u>	
1 A&V Gonzalez	644	1 E. Golimowski	574	1 E. Golimowski	644
2 J. Horan	434	2 D. Polunas	546	2 M&M Golimowski	238
3 D&M Crabtree	154	3 J&S Woodruff	210	3 J. Horan	126
4 E. Golimowski	126	4 M&H Jinkerson	112	4 D&M Crabtree	98

STANDINGS.....

<u>GOLD FEMALE CLASS</u>		<u>BLACK FEMALE CLASS</u>		<u>ALBINO FEMALE CLASS</u>	
1 D. Saurers	658	1 A&V Gonzalez	868	1 T&S Wasylink	1358
2 T&S Wasylink	238	2 D&M Crabtree	168	2 T. Barchalk	56
3 B. McGovern	154	2 H. Coren	168	3 D. Han	42
4 T. Lobello	140	4 A. Berg	126	3 J&M Walker	42
<u>FEMALE GRAND CLASS</u>		<u>PTS</u>		<u>MALE GRAND CLASS</u>	
1 Eugene Golimowski	2660	1 Lou Wasserman	10325		
2 A&V Gonzalez	1925	2 Mike Lastella	8925		
3 D&M Crabtree	1085	3 Glen Parrish	4485		
4 Don Saurers	665	4 Stan Shubel	4200		
5 T&S Wasylink	560	5 J&M Walker	3780		
6 Alex Kovacs	525	6 Richard Szydluk	2690		
7 M&H Jinkerson	420	7 Eugene Golimowski	1505		
8 Jim Horan	315	7 Ron Iorio	1505		
8 David Polunas	315	9 Jim Horan	1470		
10 Ted Archbold	210	10 B&J Orth	1330		
10 Terry Barchalk	210				
10 D&L Grigg	210				

Point corrections have been made in the Snakeskin and Half Black Pastel classes. My apologies for the errors.

Tom Allen

HYBRIDS STAND FOR HAPPINESS

by Dave Schmidt

I have been subscribing to the IFGA Bulletin for nearly a year now. The information, show results and enjoyment I have received from it has been well worth the money.

Although a year does not make me a guppy expert, I am far ahead of what I used to be. With two shows under my belt now, fancy guppies are definitely in my blood (ask my wife).

My first show was a big success and failure rolled into one. I took a second in the novice female class, only to have my prize winner die on the return trip. It almost broke my will to show guppies. Not having many guppies to choose from for show purpose made her loss really hurt. Besides that you grow accustomed to seeing the same little faces in the morning. I just shipped my second entry to my second show.

"Little Lewis" as I call him, is a hybrid. His mother was a half black red (2nd place novice winner) and his father was from the other side of the tracks.....a common guppy. He had a bottom sword. Although he wasn't a beautiful fish, he was very peppy.

You ask why such a strange hybrid? It all happened before I became involved with IFGA and interested in breeding guppies. You buy a guppy and then just throw it in your tank with the rest of



## HYBRIDS.....

your guppies....by the time you find out that is the wrong way to go about breeding....it's too late and you are the proud owner of a tank full of half black red bottom swordtails. The point I'm trying to get across is: You have to experiment once in awhile to find something interesting and exciting. I have had more enjoyment out of my hybrids than with my delta show guppies. However, I would never trade ANY of my guppies.

The enjoyment I get from trying to cross my hybrids with other strains has really kept my interest high. I don't know the complete story of the development of today's show guppies that well, but I would have to say somebody had to really work hard to develop all the strains of show guppies that we now have.

Maybe the hybrids of today will be the class show guppies of tomorrow!!! How about an albino bottom sword??!!

## PROFILE ON THE EXPERTS.....

Ron Iorio

Ron Iorio

Ron Iorio is September's first featured breeder. Just about IFGA's youngest expert, Ron is one of IFGA's few bachelors! At 19 years of age, Ron has been into guppies since 1971. He started in the aquarium hobby at the tender age of 8!!! In 1974 Ron joined South Jersey Guppy Group and began seriously showing fancy guppies. Ron exhibits in about 8 shows a year and tries to attend at least one or two a season.

His Parlin, NJ home houses 75 tanks to hold the three strains he keeps. Blues and snake-skins have an equal number of tanks along with Ron's favorite Purples....no partiality shown there.

Ron nicely described his fish room and breeding styles. Here's what he has to say.....

My father and I built a fish room in the basement in 1971 when I decided to specialize in show guppies. We enclosed one corner of the basement making a room approximately 15x20 feet with a door at one end. This room also has a window for summer ventilation. It is well insulated to hold the right temperature. The room is central gas hot air heated. Each tank has a heater set at 75° as a precaution against the cooler night temperature. Three tier racks made of 2x4 lumber bolted together and painted for appearance make up our racks.

Tanks are bottom bare. I use inside box filters with floss and marbles. These are changed weekly. Air is supplied by Silent Giant Pumps. I siphon 30-40% of the water out of my tanks weekly, which is replaced by tap water of the same temperature.

My three strains have two lines each-----an 'A' line and a



## EXPERT.....

'B' line, for the purpose of crossing over. Selected 4 month old trios are placed in 5 1/2 gallon tanks. I use 10 gallon tanks for spawns. Sexing is done at three weeks of age.

Our fish are fed five times daily....two baby brine shrimp feedings, newly hatched. Also they are fed three dry foods....one high protein and two low protein for nutritional balance. We purge and rinse the freshly hatched brine shrimp to get rid of the salt. Heavy accumulation of salt will cut down the oxygen content of the water in the tanks.

In case of sick fish, no medication is used. I think that no matter how much medication is used, the fish, although possibly cured, will never be the same.

I found out that there are really no secrets or short cuts- just a lot of hard work and many times problems and disappointments. It is also rewarding, offering many hours of pleasure and enjoyment.

My advice to beginners is to join a guppy club or contact a breeder to help you get started. I myself am indebted to the many breeders who have helped me get started with guppies. In appreciation I help others in any way I can. That is, of course, one of the purposes of the IFGA.

## MY BEEF

by Phil Troyer

It seems to me that in recent months the IFGA has noticed an alarming decrease in the number of entries at the shows. I realize that several conditions could be contributing to this such as it being the end of the show year, gasoline shortages and other prices. However, the entries are averaging around 600 per show this year whereas a year ago we were still around 700 per show with a scattering of 100 entry shows. Several breeders, for various reasons, have quit showing. It seems that we don't really have any new breeders coming in to take their place. These new breeders have to come up and develop an interest just like everyone else. I suppose this is where my beef comes in. I am seeing an increase in senior and assistant judges not sticking to an objective opinion of the fish they are judging. Instead they are sometimes making derogatory remarks about some of the fish. What they evidently don't remember is that the person standing right behind them was once them a few years ago; a novice breeder that is trying his best and is really proud of that fish being judged. That person is looking for something constructive that will help him in the future. Instead, he is hearing remarks like, "This fish is terrible, it's way too small, why would anyone show it?" or even, "Boy someone sure did waste a dollar here." Recently, I overheard one of our newer assistant judges say, "I'm not happy with any of the fish in this class." What he or she does not realize is that some strains of guppies do not get as big as other strains and just because they are small is no reason to run them down. It makes no difference if that judge

BEEF.....

is happy with the fish or not. The main idea is to objectively judge the fish in the class, no matter if they are too small, too old, or the fish just doesn't meet the standards of the more popular large strains. A pat on the back and a few words of encouragement to a novice breeder ~~will~~ maybe bring him back to the next show, whereas a slap in the face because of an unwise remark could lose him forever. I don't really feel that judges say things on purpose just to discourage someone and I am sure that we are all probably guilty of this at times but maybe we should all try to make a better effort to help build the IFGA and the guppy hobby by being more objective in our remarks and judging.

Another thing that might help in building shows revolves around the novice class. I believe that just because a person wins a first place in novice class does not always mean he is ready to head full sail into competition with professional breeders. Wouldn't it be helpful to make the novice class a yearly competition? This would serve two purposes: it would give the novice breeder more time to adjust to showing and by winning more than one trophy he would be more apt to catch the 'bug' of showing; secondly, it would help each show by adding entries since he would want to show most of the year.

ATTENTION!!!

ATTENTION!!!

ATTENTION!!!

Several changes were made at the August IFGA Meeting in Fort Wayne. Since the treasury is going steadily downhill by subsidizing the Bulletin, it was decided the Bulletin must begin paying for itself. Therefore, it will be necessary to raise subscription rates to: \$10 for a 1st class subscription and \$27.00 for a 3rd class subscription. The third class Bulletins will no longer be mailed in envelopes. We will make every effort to secure them with staples so they arrive in-tact. Another change affecting the Bulletin is that we will now be printing non-point sanctioned show rules and results for a fee of \$10 for a non-member club and \$5 for a member club. If the host club does not want to pay the fee, we will still be printing the location, date and show chairman's name as before. We feel that the advertising a club receives for their show in the IFGA Bulletin should be well worth the cost. The minutes of the meeting will be in the next Bulletin so a complete run-down on the new policies will be available then. Please remember the new subscription rates when you send in your renewals as of this month.

BY THE WAY.....

There has never been a statue erected to the memory of someone who left well enough alone.

Redser's Digest

-15-



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Guppy Food  
Flake Fish Food (Bausman)  
Bausman Fish Tonic  
Dried Flies

Infusoria Powder  
Pool Fish Food  
Dried Shrimp Meal  
Shredded Shrimp  
Dried Liver Meal  
Dried Beef Meal  
Dried Fish Meal  
Blue Crab Meal  
Mollie Fish Food

Fish Treet (B-G) Complex  
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AS A TONIC to tone up fish and plant life use a ¼ teaspoonful to each gallon every two weeks.

FOR ICHTHYOPHTHIRIUS (White Spots) or Fungus place two teaspoonfuls to each gallon direct in the aquarium. Gradually raise the temperature to 80 degrees.

TO DESTROY HYDRA use one teaspoonful to each gallon of water. If the hydra does not disappear in six days add another half teaspoonful. Plants and fish can stay in the aquarium.

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4—For destroying Hydra it has no equal.

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### EDITORIAL FEEDBACK

by John Mackey

Dear Sharon,

After reading my copy of IFGA, I have a few comments on your editorial on the novice class.

In the "Official Judging & Rules Booklet" it states that any exhibitor who wins a first place at any IFGA show is no longer a novice and is not entitled to enter the novice class. That is all that I could find about the novice class.

Here's some food for thought. I think that if a person shows in the open class, he shouldn't be allowed to show in the novice class at the same show. Also, if a person has never shown the novice class and has placed in the top four in the open classes, he shouldn't be allowed to show in the novice class. A person placing in the top four should automatically forfeit his novice class rights. This is just my idea and has probably been mentioned often before.

I probably shouldn't be voicing my opinion because I'm the rerest of novices for I have never shown in any IFGA shows but I plan on it very soon.

One more thing, I don't think it should be mandatory that a person starting out new should spend the entire show season in the novice class. If a guppy breeder's fish are good enough to beat the 'top dogs', I think he should be able to be given that chance. To show in the novice or open class should be up to the exhibitor.

Also, I have a few questions that I would like you to answer whenever possible.

First—when shipping fish to a show, do I pay my entry fees by check or money order and if so, who do I make them payable to?

Second—when shipping by Air Mail or Air Freight, most shows request return shipping charges. Do you just send a check for return charges or do you pay for return at the Post Office or airport and send sticker marked paid for return shipment.

I'll probably be writing again asking more questions for I've run out of them for now.

Keep up the good work in the IFGA Bulletin for I sure enjoy it.

\*\*\*\*\*

Editor's note.....

In answer to John's questions.....Most clubs will accept either a personal check or a money order. Make them payable to the person named to receive the shipped in entries.

All shows require return fare for shipped in fish. Usually, if return fare is not included, the fish will be auctioned and the club retains 25%. The best way is to include a check for the approximate return fare...over estimate if possible....then the club will refund any excess over the actual charge. Air freight can be sent COD but Air Mail Special cannot. That is COD to you upon return, not t

# EDITORIAL FEEDBACK.....

when shipping to the show.

Next year MVGA plans to run a question and answer column. Hopefully, we will have a panel of 2-3 experts to give several different ideas on subjects such as feeding, medicating, breeding, etc. We will also be answering questions such as John just raised to help novices and others alike to understand and interpret rules and policies of IFGA. In November we will run a profile on the people we have chosen for the panel.

Anyone writing to ask questions between now and then please specify whether you'd like the questions answered immediately or if we may hold them for publication then.

\*\*\*\*\*

## NORTHEASTERN INDIANA FANCY GUPPY ASSOCIATION

Aug. 13-14, 1977 7 Point Show 625 Entries

JUDGES: Joe Rezutka, Don Craft, Don Saurers, Ted Lobello, Stan Shubel, Pop Morgan, Dale Marteeny, Earl Hansen, Tom Allen

ASS'T JUDGES: Alex Kovacs, Al Mueller, Frank Jamiol, Rich Szydlak, Mike Lastella, Darrell Johnson, Herb Lapp, Eugene Golimowski, Jim Schroeder, Bill Orth, Bob Hanna, Bill Brandeberry, Bob Becroft, Sharon Woodruff, Jim Woodruff

OBSERVERS: Jim Sisson, David Grigg, Larry Lapp, Vern Stuart, Dick Scheidt, Mike Biesch, Steve Swatkowski

### BEST OF SHOW

MALE: (Blue D.)	(Green D.)	(H/B Red)	(Novice)
1 Stan Shubel	2 L. Wasserman	3 L. Wasserman	4 D&M Arms
FEMALE: (H/B AOC)	(AOC)	(Bl/Gr)	(Black)
1 E. Golimowski	2 E. Golimowski	3 E. Golimowski	4 A&V Gonzalez
TANK: (Blue)	(Snake Solid)	(Albino)	(Purple)
1 S. Shubel	2 L. Wasserman	3 J. Walker	4 G. Chin
BREEDER MALE: (6)			
1 M. Lastella	2 M. Lastella	3 M. Lastella	4 F. Orteca
BREEDER FEMALE: (11)			
1 E. Golimowski	2 E. Golimowski	3 A&V Gonzalez	4 A&V Gonzalez

	TANK	DELTA	VEIL
RED:	1 J. Walker (3)	D&L Grigg (15)	J. Walker (8)
	2 J. Walker	J&S Woodruff	W. Kontor
	3 J. Walker	D. Scheidt	J. Walker
	4 -----	J. Walker	J. Walker

# NIFGA RESULTS.....

	TANK	DELTA	VEIL
BLUE:	1 S. Shubel (9) 2 S. Shubel 3 L. Allen 4 L. Allen	S. Shubel (13) S. Shubel S. Shubel S. Shubel	S. Shubel (12) L. Allen S. Shubel L. Allen
GREEN:	1 M. Lastella (6) 2 M. Lastella 3 M. Lastella 4 L. Wasserman	L. Wasserman (6) M. Lastella L. Wasserman M. Lastella	M. Lastella (6) M. Lastella M. Lastella R. Yater
BLACK:	1 L. Wasserman (4) 2 H. Coren 3 D. Levy 4 A. Kovacs	L. Wasserman (7) T. Archbold A&S Hull A&S Hull	B&J Orth (6) T. Archbold H. Coren B&J Orth
MULTI:	1 R. Szydlak (3) 2 R. Szydlak 3 L. Morrison 4 -----	M&M Golimowski (10) D&L Grigg R. Larsen R. Larsen	E. Porter (6) R. Szydlak R. Larsen R. Szydlak
YELLOW:	1 B. McGovern (6) 2 D. Han 3 R. Case 4 J. Wolcott	M. Lastella (7) J. Walker B. McGovern J&L Curtis	R. Case (8) B. McGovern B. McGovern J. Wolcott
AOC:	1 B&J Orth (6) 2 R. Szydlak 3 D. Han 4 D. Han	E. Golimowski (7) E. Golimowski E. Golimowski R. Szydlak	B&J Orth (5) R. Szydlak D. Han Disq
PURPLE:	1 G. Chin (8) 2 G. Chin 3 B&H Lapp 4 B&H Lapp	G. Chin (6) T&P Allen T&P Allen T&P Allen	T&P Allen (7) T&P Allen T&P Allen T&P Allen
BRONZE:	1 J. Walker (5) 2 J. Walker 3 J. Walker 4 J. Rezutka	J. Walker (6) J. Walker J. Walker R. Yater	J. Walker (4) J. Walker J. Walker E. Golimowski
H/B RED	1 L. Wasserman (6) 2 M&H Jinkerson 3 T. Archbold 4 L. Wasserman	L. Wasserman (8) A. Kovacs M&H Jinkerson T. Archbold	M&H Jinkerson (7) M&H Jinkerson M&H Jinkerson T. Archbold
H/B 1 BLUE	1 L. Wasserman (5) 2 M. Lastella 3 T&S Swatkowski 4 B. Hazzard	M. Lastella (7) M. Lastella L. Wasserman R. Lach	B. Hazzard (5) M. Lastella M. Lastella M. Lastella



## NIFGA RESULTS.....

TANK		DELTA	VEIL
H/B PASTEL:	1 B&P Shaff (9)	F. Jamiol (16)	J. Walker (16)
	2 J. Walker	B&P Shaff	L. Wasserman
	3 B&P Shaff	B&P Shaff	B&P Shaff
	4 B&P Shaff	G. Pauly	F. Jamiol
H/B ADC	1 M. Lastellaa (4)	L. Wasserman (10)	J. Rezutka (9)
	2 M. Lastella	M. Lastella	J. Rezutka
	3 G. Pauly	M. Lastella	J. Rezutka
	4 A. Kovacs	M&H Jinkerson	J. Rezutka
RED	1 R. Szydlak (6)	W. Kontor (17)	J. Cashel (7)
BICOLOR	2 W. Kontor	L. Allen	L. Allen
	3 J. Rezutka	E. Golimowski	L. Allen
	4 Disq	F. Pilch	R. Schroeder
BLUE	1 V. Stuart (3)	J. O'Brien (12)	M. Lastella (16)
BICOLOR	2 V. Stuart	V. Stuart	R. Larsen
	3 Disq	V. Stuart	E&M Hansen
	4 -----	V. Stuart	R. Szydlak
GREEN	1 J&S Woodruff (7)	E. Golimowski (9)	T&P Allen (10)
BICOLOR	2 J&S Woodruff	M. Lastella	M. Lastella
	3 B. Hanna	F. Orteca	J. Thale
	4 M. Lastella	S. Shubel	M. Lastella
ADC	1 R. Szydlak (5)	E. Golimowski (9)	R. Szydlak (6)
BICOLOR	2 E. Golimowski	E. Golimowski	E. Golimowski
	3 R. Szydlak	E. Golimowski	M&M Golimowski
	4 J. Walker	J. Rezutka	E&M Hansen
SNAKE	1 L. Wasserman (7)	T. Lobello (6)	B&J Orth (4)
SOLID	2 F. Orteca	F. Orteca	J. Zelk
	3 W&M Brandeberry	W&M Brandeberry	J. Zelk
	4 W&M Brandeberry	T. Lobello	J. Zelk
SNAKE	1 J. Zelk (9)	L. Wasserman (10)	J. Zelk (11)
VAR.	2 J. Zelk	L. Wasserman	J. Zelk
	3 J. Zelk	K. Morrissey	D&M Crabtree
	4 J. Zelk	J&L Curtis	J. Zelk
TANK		COMBINED	
ALBINO:	1 J. Walker (3)	T&S Wasylink (5)	
	2 J. Walker	M. Lastella	
	3 M. Lastella	J. Walker	
	4 -----	J. Walker	

## NIFGA RESULTS.....

TANK		COMBINED
GOLD:	1 L. Wasserman (9)	L. Wasserman (15)
	2 L. Wasserman	L. Wasserman
	3 L. Wasserman	B&H Lapp
	4 L. Wasserman	B&H Lapp
SINGLE	1 D. Saurers (7)	D. Saurers (16)
SWORD	2 D. Saurers	J.P. Schroeder
	3 D. Saurers	D. Saurers
	4 J. Thale	J.P. Schroeder
DOUBLE	1 Tank class combined	J.P. Schroeder (5)
SWORD	single & Double swords	D. Saurers
		D. Saurers
		D. Saurers
NOVICE:		D&M Arms (18)
		D&M Arms
		D&M Arms
		J. Cashel
FEMALES		
RED:	1 D. Polunas (11)	BLUE: 1 E. Golimowski (3)
	2 E. Golimowski	GREEN: 2 A. Mueller
	3 D. Polunas	3 A&V Gonzalez
	4 J&S Woodruff	4 -----
BLACK:	1 A&V Gonzalez (8)	ADC: 1 E. Golimowski (15)
	2 A&V Gonzalez	2 M&M Golimowski
	3 A&V Gonzalez	3 E. Golimowski
	4 H. Coren	4 M&M Golimowski
BRONZE:	1 T&P Allen (6)	H/B RED: 1 T. Archbold (9)
	2 T&P Allen	2 T. Archbold
	3 J. Rezutka	3 M&H Jinkerson
	4 J. Rezutka	4 T. Archbold
H/B ADC	1 E. Golimowski (6)	ALBINO: 1 T&S Wasylink (4)
	2 T. Barchalk	2. T&S Wasylink
	3 M&H Jinkerson	3 T&S Wasylink
	4 M&H Jinkerson	4 T&S Wasylink
GOLD:	1 G. Rietcheck (10)	NOVICE: 1 W. Kontor (7)
	2 T. Lobello	2 J. Sisson
	3 T. Lobello	3 J. Sisson
	4 T. Lobello	4 M. Pressley

# PROFILE ON THE EXPERTS..... RON YATER

Anyone who attended the last show in Fort Wayne must surely have met our second expert for this month. Ron Yater was very ably fulfilling his duties as show chairman at the Northeastern Indiana Fancy Guppy Associates Show.....by the way, Ron helped found that club in 1969. He lives in Columbia City, Indiana with his wife, Jan, and two children, 9 year old Rochelle and 6 year old Jeff.

The Yaters try to attend about 5 of our IFGA shows and exhibit in most of the rest. With all the strains to chose from.....greens, yellows, bronze, blacks, M/B pastels, and purples..... it's little wonder his name appears in the winners list as often as it does. I couldn't manage to pin Ron down as to his favorite strain, he says he loves them all. In fact he loves them 75 tanks-worth!! The other fish in the Yater household are African cichlids but I have a feeling guppies are the favorites.

Ron detailed his techniques as follows:

I first became interested in fancy guppies in 1960. The funds and time were limited while in school, so the guppies dropped off in a couple of years. Then seven years later, while snooping around in a local pet shop, the bug struck again. I bought a pair of red veil guppies and two ten gallon aquariums. My interest in the fancy guppies grew along with the number of aquariums. I looked for better breeding stock and read all the material I could get my hands on. I think obtaining the best breeding stock you can find and raising them in the best possible conditions are important factors for the success and enthusiasm you need to keep your interest in raising big show guppies.

Today, I am working with 75 tanks ranging in four different sizes: 5's, 10's, 15's and a few 20's. My fish room is heated from the ceiling therefore, the fry are started in the 80° 10 gallon tanks on the top racks. As the guppy fry grow they are moved down to the lower tanks at about 3 or 4 months of age into 75-76° water. There they finish most of their growing. When they are show size they get moved to the bottom rack where the tank temperature is around 72°. This way you have a cycle on tanks to keep them sparkling clean, and free from algae and scum.

The lighting comes from ceiling hung cool white fluorescent lights on timers. The timers are set to come on at 5:30 AM and go off at 2:00 AM. There is a window at the end of my fish room which provides light throughout the day. At 4:00 PM the fluorescent lights are turned on and stay on until 11:00 PM. (Editor's note- either Ron hit the wrong key or I'm dense because the hours seem in conflict but maybe you understand?) I find that this light



# EXPERTS.....

cycle works very well in offering good growth and without any negative reproductive problems.

A 5 times per day feeding schedule is maintained, alternating dry, paste, and live foods. Newly hatched brine shrimp are also fed everyday. The important thing is to develop a strict time schedule for feeding.

A 1/2 water change in each tank everyday keeps my guppies in tip-top condition. My water is from a well and I mix hot with cold to achieve the temperature I need. The hot water is softened and the cold being straight hard stuff. I do use salt in some tanks if the fish are looking a little sluggish or not as active as they should be. By keeping your tanks clean, you can expect healthy, growing guppies.

These schedules do mean time consuming hours of hard work and alot of patience. Be it for show purposes, or just your personal satisfaction, it is rewarding in the end.

If you have the chance to go to an International Guppy Show, take it!! The chances of meeting and talking to some well-regarded, old time guppy raisers are there and these people are always willing to talk, sell, or maybe give away some of their guppy strains. As said before, obtaining good show stock can help you save time, money and work. For the most part, guppy people are nice people and willing to offer helpful hints.

Thank you for this opportunity.

# WALL TO WALL GUPPIES

by Dick Scheidt

This is literally what the St. Louis Room of the Holiday Inn North, St. Louis, Missouri was on June 25th and 26th as the Gateway Guppy Associates of St. Louis hosted their 1977 International Fancy Guppy Show.

As many of you know, I do possess some fondness for fancy guppies so it was small wonder that bright and early Saturday morning I grabbed a few extra clothes and headed to St. Louis and my first IFGA Show. And since it was a guppy show and I had a few in my fish room, four novice entries happened to find their way into the car, too.

I had several reasons for wanting to attend an IFGA Show.

1. I wanted to see for myself exactly what the quality of fish shown at the shows is. In other words, am I on the right track with my guppy program?
2. I wanted an opportunity to observe judging teams as they make their selections and the methods used in their selections are extremely interesting and beneficial to any serious guppy hobbyist.
3. I wanted to see just what an IFGA show was like so that



WALL TO WALL.....

in the near future, our own Heartland Guppy Club can host one. Sooner the better gang!

4. I wanted the opportunity to meet and talk to some of the top Guppy people in the country.

You will note that I have not listed the entry of fish as a reason for attending and honestly they were not a factor in my going. I would have gone even if I had not taken fish.

I can describe the fish very simply but very accurately..... BEAUTIFUL! There were over 500 entries and some of the guppies were utterly fantastic. Stan Shubel won Best of Show with a Male Blue Delta that was truly a fantastic fish.

Lou Wasserman's Half Black Red took the top four places in the Half Black Red Delta class and they were truly beautiful specimens- extremely large with brilliant red dorsals and caudals.

To be honest with you though, I was disappointed with the fish entered in some classes. Frankly, they were not top notch fish when compared with those mentioned earlier. I know some strains don't get as big as others, so maybe this was the reason.

The judging was extremely interesting and a lot of valuable information can be learned just by standing behind the judging teams as they work.

One thing an entrant must do is fully acquaint themselves with class standards so they get their fish entered in the proper class. Some extremely good looking fish were disqualified because they were placed in the wrong class.

What is the difference between a Delta and a Veil? What is a Multi? What is a Bicolor? Does that red blush on the lower portion of that green's tail hurt him in the Green Delta class? Is that fish a blue or a green? These are examples of what one needs to know if fish are going to be shown in an IFGA show.

Guppy Shows are different than the regular tropical fish shows in that there is no aquascaping.

The individual male or female entries are all displayed in two quart drum bowls, the matched males in larger bowls or small aquariums and the breeder classes (5 males or 3 females) are shown in 5 gallon tanks.

All fish in a class must be displayed in identical settings so that the only advantage one fish has over another is his own personal attributes.

I found the people to be as interesting as the fish. It seemed that all realized that all had a common bond and information and ideas were openly discussed without regard as to who asked a question or what the question was. The judges were especially open with information as to good or bad points about particular fish if comments were asked for at the proper time.

-23-

WALL TO WALL.....

The show was concluded with an auctioning of some of the show fish.

The members of the Gateway Guppy Associates were extremely polite and helpful and are to be congratulated for putting on a really top notch show.

In summation, I recommend that all of you attend an IFGA sanctioned guppy show whenever the opportunity presents itself. You will enjoy the fish even if your interest in guppies is not quite as high as mine.

reprinted from Heart of America  
9/77

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# GUPPY BREEDERS DIRECTORY???

Maumee Valley Guppy Associates receives many requests each week for the names and addresses of people who breed the various strains of fancy guppies. These come mainly from novice breeders but also from experienced people who want to improve their current fish or get started on a new strain.

At the last meeting of MVGA the idea was proposed that we print a directory of sorts with a list of the names and addresses of IFGA Bulletin subscribers who wish to be included. A sample listing might be: Jim Woodruff

2345 Oak Grove  
Toledo, OH 43613  
419-474-2420  
Red, Green Bl, H/B Red, H/B Pastel

We feel these could be sold at 50¢ each and all the profits returned to the IFGA treasury (which could sure use a boost). These could be updated annually as needed.

The need is there for such a service.....if we can get the cooperation of IFGA's breeders we could perform a service and add to the treasury at the same time. We would like to begin printing and selling these as of the first of the year.

If you are interested in being included in such a booklet, fill out the bottom of this page and send it to the IFGA Editor.

\*\*\*\*\*

(JAMES J. JONES)

NAME (as you want it to appear) J & J MAGNIFICO  
ADDRESS 31 CHESTNUT ST NUTLEY, NEW JERSEY 07110  
PHONE (if you want it included) 201-667-7060  
STRAINS YOU RAISE BLUE, GREEN, PURPLE, SNAKES, BROWN, COBRA, YELLOW

NAME John MAGNIFICO PLEASE PRINT!!!  
ADDRESS 31 CHESTNUT ST NUTLEY NJ 07110  
PHONE 201-667-7426  
STRAINS Red, H/B Red

(Following is the first part of a series to run the next few months. The original was based on a program given to SCGA.)

We all know that the best advice one can receive (and follow) on how to breed show guppies is "...get a good quality, well-established strain and then keep it as pure as you can by inbreeding or line breeding.

Outcrossing is the opposite of inbreeding because it involves mating of fish that are genetically unrelated. The reason that most successful guppy breeders outcross strains from time to time but seldom advise others to try it is because outcrossing is really a form of genetic Russian Roulette. A successful outcross requires that the strains crossed be genetically compatible. The odds against finding two compatible strains are very high.

There are times, however, when outcrossing may produce something that no amount of inbreeding within a strain will accomplish. There are also times when your only alternative is to outcross... for example, when you buy a fish at a show auction without a mate. Fortunately, there are ways to improve your chances of getting a good result from an outcross...and that is what I want to discuss. That is, when to outcross, how to pick the outcross strain, and how to proceed after the initial outcross to get the best result in subsequent generations.

Before getting into the good reasons for outcrossing, I want to mention that there are a lot of 'no-good' reasons. Now there is nothing wrong with outcrossing just for the sake of idle curiosity, but it is wrong to pass these fish along as good breeding stock. What outcrossing does is to scramble together the genetic patterns of the two parents, therefore, offspring from an outcross are genetically all mixed up.

Getting back to the good reasons for outcrossing...there are 5 situations in which outcrossing can be a good thing to do:

1. When an established strain will not produce a characteristic you want (a larger dorsal, perhaps) because the gene pattern for that characteristic is simply not present in the strain.
2. When you are having trouble with an established strain... such as infertility, maybe.
3. To produce big show hybrids.
4. Necessity...purchased male without female.
- 5 To create your own strain.

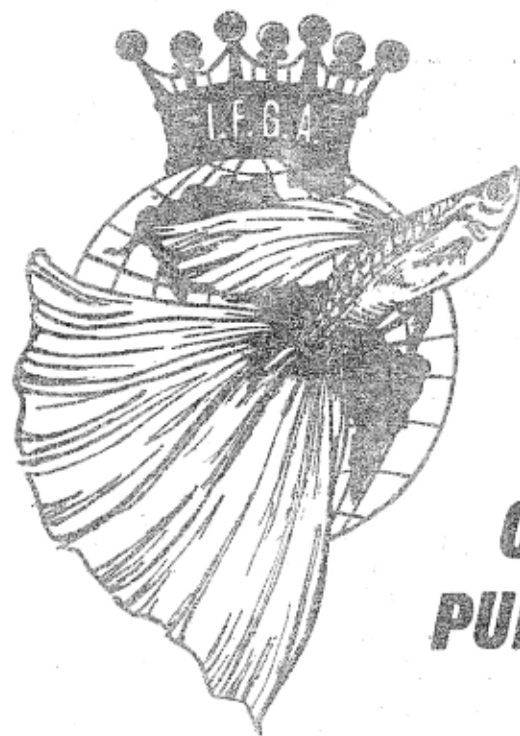
(Each of these will be detailed in upcoming issues. Keep reading)

## ACCREDITED IFGA JUDGES

- |   |   |
|---|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843            | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201       | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603                | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067                | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Martoeny<br>717 Juanita Ave<br>Glendora, CA 91740            | 31. Dave Boone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843          | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713              | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataaskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204             | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reseda, CA 91335               |   |



**INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION**



**OFFICIAL  
PUBLICATION**

# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

<b>PRESIDENT:</b> John Wolcott 2112 Merritt Dr. Northfield, NJ 08225	<b>VICE PRESIDENT</b> Ted Lobello 50 Derby Lane Orland Park, IL 60462	<b>SECRETARY:</b> Mildred Craft 103 Lake Dr. SW Route 2 Pataskala, OH 43062
<b>TREASURER:</b> Tom Allen 304 Circle Ave. Lombard, IL 60148	<b>PARLIAMENTARIAN:</b> Jim Horan 12 Briarwyck Jacksonville, IL 62650	<b>OVERSEAS SECRETARY:</b> Mildred Craft 103 Lake Dr. SU Route 2 Pataskala, OH 43062

## JUDGING BOARD

<b>CHAIRMAN:</b> Stan Shubel 8715 Hidden Lake Dr. Howell, MI 48843	<b>MEMBERS (Addresses on back cover)</b> Midge Hill Mike Regent	<b>Milford Morgan</b> Don Craft
---	---	------------------------------------

## COMMITTEE CHAIRMAN

<b>RECORDER:</b> Terry Wasylink 986 Belvedere Warren, OH 44484	<b>MEMBERSHIP</b> Midge Hill 9903 Candia Dr. Whittier, CA 90603	<b>SHOW ROTATION</b> Dale Marteeny 717 Juanita Glendora, CA 91740
<b>NOMINATING</b> Elvis Bryant 3438 Ashby Rd St. Ann, MO 63074	<b>PUBLICITY</b> Ted Lobello 50 Derby Lane Orland Park, IL 60462	<b>AWARDS</b> Tom Allen 304 Circle Lombard, IL 60148

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\$6 per year (11 issues) by 1st class mail

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IFGA  
2345 Oak Grove  
Toledo, Ohio 43613

## MEMBERSHIP

Membership in IFGA is limited to groups of 5 or more people.  
Rates are \$15 per year per club. For more information contact:  
Membership Chairman

# OFFICIAL BULLETIN of the INTERNATIONAL FANCY GUPPY ASSOCIATION

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2345 Oak Grove Place

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VOLUME I

OCTOBER, 1977

NUMBER 10

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# EDITORIAL

This month's editorial is going to be short and sweet because 1) It is already several days past our deadline. 2) I really don't have a subject in mind that is troubling me. 3) I forgot to pass the buck and ask someone else to write this month's editorial.

With the Annual Meeting rapidly approaching, I still did not have an agenda from John for the meeting. I decided to give him a phone call to remind him of the date. It was then I found that he was no longer living in his Merritt Road address. As most of you know, John is moving to the great state of Texas! Well it seems his home in Northfield, New Jersey was sold and he and his family, the fish and his newest hobby of parakeets had to move out. However, his new home in Texas was not ready for them to move in.....can you imagine the problems involved in trying to find temporary housing for fish, birds, belongings and family??!!

We have no idea where John has settled.....he may be camping out in a farmer's field. At any rate we were not able to locate him.

Ted Lobello graciously took over the task of preparing an agenda on very short notice and for this we are extremely grateful.

Hopefully John will be settled in his Texas residence for the Annual and will be there with bells on. If not, I'm sure Ted will capably rise to the occasion.

\*\*\*\*\*

## AGENDA

### ANNUAL MEETING

Nov. 5, 1977

ROLL CALL.....Millie Craft  
MINUTES of AUGUST MEETING.....Millie Craft  
TREASURER'S REPORT.....Tom Allen  
AUDIT COMMITTEE ASSIGNED.....Ted Lobello

#### COMMITTEE REPORTS

Judging Board Recommendations..Stan Shubel  
Membership.....Ridge Hill  
Publicity.....Ted Lobello  
Awards.....Tom Allen  
Publications.....Jim Woodruff  
Show Rotation.....Dale Marteeny  
Constitution & By-laws.....Andy Hull

#### OLD BUSINESS

Vote on recommendations of Judging Board  
Constitution & By-laws changes  
Any other old business  
Election of Officers

#### NEW BUSINESS

\*\*\*\*\*

## MINUTES-IFGA MEETING

August 13, 1977

Fort Wayne, Indiana

The meeting was called to order at 1:15 PM by Vice President Ted Lobello. The roll call followed:

### CLUB

### REPRESENTATIVE

Atlanta Guppy Club	
Baltimore Guppy Club	Herb Lapp D
Bay Area Guppy Club	
Columbus Ohio Guppy Specialists	Don Saurers D
Delta Kings of St Louis	
East Coast Guppy Association	Nike Lastella D
Exotic Fish Society of Hartford	
Everglades Guppy Association	Ethel Shubel A
Fox Valley Guppy Association	
Gateway Guppy Association	Jim Thale D
Guppy Associates of Chicago International	Ted Lobello A
Guppy Associates of Greater Cleveland	Alex Kovacs D
Guppy Associates of Lafayette	Bill Orth D
Guppy Associates of Milwaukee	Jim Schroeder D
Guppy Associates of Toronto	
Heartland Guppy Club	Dick Scheidt A
Houston Guppy Club	
Imperial Guppy Club	Mildred Craft A
Indianapolis Aquarium Society	Darrell Johnson D
Indianapolis Guppy Breeders	Milford Morgan D
Lancaster Guppy Club	Bob Becroft D
Madison Guppy Club	
Maumee Valley Guppy Association	Jim Woodruff D
Midwest Guppy Club	Allen Eddy D
Milwaukee Aquarium Society	J.P. Schroeder D
Motor City Guppy Breeders	Stan Shubel D
New England Guppy Association	Tom Allen A
Northeastern Indiana Fancy Guppy	Ron Vater D
Northern Ohio Guppy Breeders	Bl Mueller D
Pan Pacific Guppy Association	Dale Marteeny D
Potomac Valley Aquarium Society	
Sacramento Guppy Breeders	
South Jersey Guppy Group	

Stan Shubel moved that the minutes of the April meeting be accepted as printed in The Bulletin. Pop Morgan seconded. Motion carried.

### TREASURER'S REPORT- Tom Allen

A. Balance as of April 16, 1977.....\$1214.46  
B. Income:  
Dues.....\$90.00  
Trophy Sponsorship.....90.00  
Corresponding Memberships.....562.00  
Award Cards.....45.00  
Judging Booklets.....20.00

# MINUTES.....

Entry Forms.....\$12.00  
Back Issues of Bulletin..... 6.50  
Madison Show Default..... 50.00  
Miscellaneous..... 21.90

TOTAL.....\$897.40

C. Working Capital.....2111.86

## D. Expenditures

Bulletin Expenses.....\$1304.12  
1977 Annual Trophy Retainer... 100.00  
Judging Chairman Expenses..... 164.00  
Award Card Reorder..... 225.00  
Operating expenses..... 13.55

TOTAL.....1807.07

E. Balance Brought Forward.....\$304.79

High postage rates for the Bulletin and increased trophy costs for the annual awards are rapidly depleting the treasury. Tom made four recommendations which he would like on the agenda for the Annual Meeting:

1. Raise club dues to \$20.00
2. Raise trophy sponsorships to \$20.00
3. Use a certificate for second place class championship
4. Raise Bulletin subscriptions to: \$10.00 for 1st class and \$7.00 for 3rd class.

Herb Lapp moved that the treasurer's report be accepted. Jim Woodruff seconded. Motion carried.

## COMMITTEE REPORTS

### JUDGING BOARD- Stan Shubel

Seminar results: There are three new IFGA Judges following the seminar in July: Ted Lobello, Tom Allen, and Terry Wasylink. Those who passed the written test were: Mike Lastella, Sharon Woodruff, Frank Jamiol, and Dwight Grimestead. The visual test was passed by Ted Lobello, Tom Allen, Terry Wasylink and Sharon Woodruff.

At the seminar they did not use color classes for visual judging because some people felt it would be lowering the judging standards. The use of this test will be discussed further in Nov.

Recommendations from Judging Board:(To be voted on in November)

1. Accept the judging classification chart as printed in the Jan/Feb, 1975 issue of the Bulletin.
2. Pins for Judges
3. Three levels of Judges: Assistant judge, judge and senior judge.
4. Combine the blue and green bicolor classes
5. Change the male point system to de-emphasize size as follows: in body points take 2 from size and add one for shape and one for condition. In dorsal points also take two from size and add one each for shape and condition. Leave caudal points as is.

# MINUTES.....

A suggestion from the floor was made that the two points from body size could be added to symmetry. This will be discussed at the Judging Board Meeting before the Annual Meeting. Another suggestion was to separate the bicolor class into two separate color classes for annual awards. This will be on the November agenda.

It is felt that it is taking too long to judge the shows. One reason may be that some of the judges do not or can not judge enough classes. There was discussion over the rule that a judge may not judge classes if they contain fish he has brought to the show for other people. Other suggestions were made to be discussed in November.

It was suggested that the numbers should be deleted from the roster of judges because of the gaps between numbers do not look well. This does not require formal action and it was felt it should be done.

Pop Morgan moved that the Judging Board Report be accepted so that all recommendations may be on the November agenda. Second by Jim Schroeder. Motion passed.

## PUBLICITY COMMITTEE- Ted Lobello

We have been getting show information printed in Aquarium News and IFH. If the clubs get their information to Ted at least 90 days before the show he can get it published.

NOGBA will have a non-point show on September 24-25. Al Mueller has copies of the information for distribution.

## AWARDS COMMITTEE-Tom Allen

We have 26 sponsored classes and all have been paid for this year. Clubs that want to sponsor classes next year should tell Tom.

Award Cards- The printing of award cards has increased to 7¢ each so we can no longer sell them for 5¢. If we sell them for 8¢ the clubs will have to pay postage. At 10¢ IFGA can pay the postage. Darrell Johnson moved that the cost of award cards should be 10¢ plus postage. Herb Lapp seconded. Motion passed.

Tom asked that the show chairman keep the judging cards from the shows so that if there is an error it can be checked out. Also if anyone feels there is an error in his points he should contact Tom.

Tom suggested that the cost to sponsor a new class should be double until the class becomes accepted as a mandatory class. No action taken at this time.

Annual Awards Trophies- IFGA has been paying for all 8 trophies for grand overall male and female awards and for the 26 plaques for second place plus certificates for third and fourth places. IFGA has also paid an excess in trophy cost over the \$15 spon-



# MINUTES.....

sorship fee. This has become a lot of money. Following discussion, Mike Lastella moved that the cost of trophy sponsorship should be raised to \$25 and all class awards should be covered by \$20 of this amount. The remaining \$5 should be retained for grand overall trophies. Ethel Shubel seconded. Motion passed.

Club Dues-Al Mueller moved that the yearly IFGA dues should be raised to \$25. Alex Kovacs seconded. Motion passed. This constitutes a by-laws change and will be on the November agenda.

## PUBLICATION COMMITTEE- Sharon Woodruff

The committee had three suggestions for increasing revenue without raising subscription rates to the Bulletin; 1. Increase the cost of Judging Booklets to \$5, entry forms to \$1.75 and charging host clubs of non point shows for publishing their information.

There was much discussion about increasing the subscription rates. The actual yearly cost of the 3rd class Bulletins is \$5.94 and 1st class is \$8.14. About 50% per issue of the 1st class cost is postage and mailing envelope. Postage rates are expected to increase after the first of the year.

Mike Lastella moved that we raise the subscription rates to \$10 for 1st class and \$7 for third class Bulletins. Stan Shubel seconded. Motion passed.

## NOMINATING COMMITTEE- Bill Orth

The nominating committee of Bill Orth, chairman, Pop Morgann, and Ron Yater presented their slate for the November election as follows: President- John Wolcott; Vice President- Ted Lobello; Treasurer- Tom Allen; Secretary- Pat Allen.

Jim Woodruff moved that the committee's recommendations be accepted. Jim Thale seconded. Motion passed.

Ted Lobello opened the meeting to nominations from the floor. There were none. Stan Shubel moved the nominations be closed. Darrell Johnson seconded. Motion passed. Floor nominations will be reopened in November.

## SHOW ROTATION COMMITTEE- Dale Marteeny

The tentative show schedule for 1978 was set-up as follows:

March 25-26	Gateway Guppy Associates	
April 8-9	Midwest Guppy Club	MEETING
April 23-24	Columbus Ohio Guppy Specialists	
May 13-14	Everglades Guppy Association	
June 3-4	Pan Pacific Guppy Association	
June 24-25	Baltimore Guppy Club	SEMINAR
July 15-16	East Coast Guppy Association	
July 29-30	Guppy Associates of Milwaukee	
August 12-13	Northern Ohio Guppy Breeders	MEETING

# MINUTES.....

August 26-27  
Sept. 9-10  
Nov. 3-4-5

New England Guppy Association  
Maumee Valley Guppy Association  
Indianapolis Aquarium Society ANNUAL MEETING

## RECESS

## OLD BUSINESS

### Constitution & By-Laws- Proposed revision

Pop Morgan moved that action be tabled at this time and the proposed revision be referred to committee for study. Jim Thale seconded. Passed.

Herb Lapp introduced a declaration to thank Andy Hull for the work involved in revising the Constitution and By-Laws.

## NEW BUSINESS

### Constitution & By-Laws- Reintroduced

Ted Lobello read the proposed revision of the Constitution and by-laws paragraph by paragraph and delegates made suggestions for clarification or word changes. All suggestions were noted for later consideration.

Stan Shubel moved that the proposed revision be put on the agenda for the Annual Meeting as written and noted for change. Mike Lastella seconded. Motion passed.

### Show Information-

Jim Woodruff moved that the complete show information and results for a sanctioned non point show hosted by an IFGA member club may be published in the Bulletin for a fee of \$5. Non member clubs \$10. Allen Eddy seconded. Motion passed.

Meeting adjourned at 5:50 PM.

Respectfully submitted,  
Mildred Craft, Secretary

## ATTENTION!!!

## ATTENTION!!!

## ATTENTION!!!

It has been brought to our attention (Several times!) that we omitted the Black Female class from the Chicago clubs rules printed in the Sept. Bulletin. Also we neglected to include the complete location which is: Holiday Inn of Elk Grove Village, 1000 Busse Highway, Elk Grove Village, IL. Please make these changes in your copy of the rules. My apologies Chicago!!

## ATTENTION!!!

## ATTENTION!!!

## ATTENTION!!!

## PROFILE ON THE EXPERTS.....

Eugene Golimowski

Eugene Golimowski and his wife Viola are from Morris, Illinois. They joined Edgewood Valley Aquarium Society in 1973. Edgewood Valley is a rather large general aquarium society with about 75 members.

In 1975, Eugene started showing his guppies in IFGA competition. Since then he exhibits in about 10 shows a year and attends about 6.

The Golimowskis have 40 tanks and it's little wonder because they keep Placostamus, Albino Cats, Julii Cats, Kissing Gouramis, Honey Gouramis, Silver Angels, Swords, Goodies, Head & Tail Lights, Tetras, Plume Platys, and Zebras! Hard to believe he still has room for four strains of guppies...Red Bicolors, Purples, AOC, Greens.

Eugene claims to have gotten started in fish when his son quit and the tanks were there. No sense letting them go to waste! His fish room is 6' x 12' with tanks lining the walls three high. He uses a home made air filter system. The lights are on an automatic timer from 6 AM til 9 PM.

The fish are fed 5 times a day from the three brine shrimp hatcheries, 2 containers of micro worms, and three jars of vinegar eels.

Fish are bred in 5 gallon tanks using two males and three females per tank.

For a beginner, Eugene suggests obtaining a good strain of fish. Be sure to change one fourth of the water each week and clean filters at least every two weeks. Scald all nets after being used in only one tank. Only other alternative is number the nets to correspond with number on the tank and never use in any other tank. This way you don't carry disease from one tank to another. His other hint is to keep the fry in a 5 gallon tank for a few weeks so that they don't have to look for food. He claims that works very well for him.



The First Annual Mid-Atlantic Fancy Guppy Workshop will be presented by the South Jersey Guppy Group on November 20, 1977. The workshop will include all areas involved in the breeding and exhibition of Fancy Guppies. Slide programs, trophy tables, breeding stock, membership information and a hospitality coffee bar will be featured. A program devoted to novice and experienced breeders alike, this original concept is expected to be an Annual affair of the South Jersey Guppy Group. For further information, contact: Clinton Price  
384 Covered Bridge Rd  
King of Prussia, PA  
215-265-3445

## NUTRITION IN FISHES

by Harry Abrams, Jr.

Nutrition in fishes is a little known subject to hobbyists and yet, for anyone beyond the one or two tank stage, it should be of primary concern. Actually, to anyone with great interest in fish nutrition, there is a great deal to learn.

So, to begin, Once food is ingested and digested it may enter into various functions in the body of the fish. It may provide energy for life processes or provide material for the restoration or replacement of worn cell components, or for growth.

Fishes cannot regulate their body temperature (poikilothermous) thus their rate of metabolism and hence their nutritional requirements are, above all, dependent on the temperature of the surrounding water.

Fish, like other animals, can be compared to complex machines with regard to the efficiency with which they utilize their food. One may simply measure the weight of food which brings about the increment of a weight unit of fish and arrive at a "conversion table". For instance, hatchery raised trout may, under certain conditions and with certain foods, require 3.5 pounds of food for each pound of weight increase; this particular kind of food would, with these fishes, have a conversion factor of 3.5.

Values for conversion factors differ with the nature of the diet, the species and size of the fish, temperature and other variables. Conversion factors range from 1.5 when certain artificial diets are fed to trout in hatcheries to 8 or more when diets with a high vegetable component such as corn and lupines are fed to carp or other omnivorous fish. Weight conversion factors in nature often tend to be higher than those in hatcheries because of the presence of much indigestible roughage such as insect or crustacean shells, combined, perhaps, with greater energy-expanding activity of fish in the wild than in confinement. The relation between food and weight gain can also be expressed as a weight conversion coefficient. For the example given in the above paragraph, this would be:

$$\frac{1 \text{ weight unit gained}}{3.5 \text{ weight units fed}} = .2857$$

or a weight conversion efficiency of 28.57 %: the above ratio times 100.

A fish transforms one compound into another when it produces flesh, scales, bones, and conducts its movements and other vital functions. The various compound conversions all have different energy equivalent requirements, depending on their chemical composition and structure. For example, 1 pound of average fish flesh has about 600 large calories (a large calorie, written with a capital C, is 100 times larger than an ordinary calorie which is the heat required to raise one gram of water one degree on the centigrade scale), sugar has 1695 and butter, a fat with a high energy equivalent, has 3260 Calories.



## NUTRITION.....

Without going into detail, we can say that conversion of food is not 100% efficient, obviously, and it is interesting to note that overall energy efficiencies decline with age and size of fish. They range from 58% for embryos to 20% or less in large, old fishes. Most energy coefficients lie between 15% for old fish to 45% for young ones. Negative values are possible for short periods such as during the winter when many fishes of the Temperate Zone lose weight.

The building of body proteins is influenced by the kinds of food a fish eats. This was shown in trout by comparison between lots of fed artificial food or natural foods. Despite the fact that the artificial diet was superior to natural food in proteins and vitamins, the trout fed natural foods were twice as efficient as those on the artificial diet in the hatchery in converting food proteins into fish flesh, and in addition, these natural-food fed trout had meat of a lower water and higher protein content. Values for assimilation, expressed as percentages utilization of foods retained in the body, have a mode between 80% and 90%; low water temperatures and environmental stress may reduce these efficiencies. Provided diets are of the same composition, feeding experiments with trout and pike indicated that fish utilize food more efficiently after fasting than when they are satiated and also that food is absorbed less completely when fish is overfed.

Herbivores (plant eaters) usually consume much greater weights of food than carnivores (meat eaters). This is because most algae and other plants have only half the caloric value and less than a quarter of the protein content of animal flesh. Furthermore, in spite of the fact that unicellular plankton algae and diatoms and even parts of rooted aquatic plants may have nutritive values superior to animal flesh, they contain a higher percentage of water.

Fishes have a remarkable capacity for surviving long periods of starvation since they mobilize first body fats and then proteins for sustenance. Lungfish and swampeels survive a prolonged season of estivation by resorption of bodily substances. Freshwater eels can survive for more than a year without taking food. The intestines of such starved fishes become non-functional and partly degenerate.

This article so far hasn't said much to even scratch the surface, but in order not to bore you, since my intent is only to arouse interest and in order not to get our Editor mad at the length of the article, I will close with a few words on food quality.

Evolutionary adaptations among fishes have led to differing capacities in utilizing foods with varying amounts of proteins, carbohydrates and fats. Trout for instance, develop fat-intolerant fevers when the fat content of their diet exceeds 8% (dry weight) whereas the menhaden normally feeds on algae that contain at least 25% fat. The common Carp and Tilapia of the

## NUTRITION.....

family Cichlidae can be raised on a diet of even higher lipid content. Not only do relative amounts of the fat also in the food affect food utilization, but the composition, of the fat also has an effect; unsaturated fatty acids with a low melting point (high iodine number) are more readily digestible than saturated fatty acids. Permissible carbohydrates content in artificial diets which, after all, are manufactured to be similar if not superior to a natural food of fishes, vary similarly for different species. When trout are fed a diet with more than 12% digestible carbohydrate (wet basis), the results are abnormal deposition of liver glycogen and excessive mortalities. Other species are less delicate and the various minnows which are raised for food throughout the world often grow well on food mixtures with 50% or more of starchy matter.

The most rigorous requirements of the three basic food stuffs probably pertain to proteins. A certain protein content is mandatory in the diet of an animal. It appears that food with less than 6% protein (wet weight) cannot sustain any fish, let alone produce growth.

Not only amounts of protein ingested are important but also their relative amino acid content as intimated by the highest conversion efficiencies which are obtained when a fish eats others of its own kind.

We could go on to essential amino acids, vitamins, water, etc, etc, etc but the above should be enough to whet your appetite as well as providing the Topics with an article

reprinted from Tropical  
Topics Date ?

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### Sponge Filters for 30¢

by Dale Swomley

Many times I have embarked on do-it-yourself projects that have ended up costing me more in both money and time than was justified. However, I have recently undertaken a project which turned out quite successfully.

Most of us have either seen or used one of the sponge filters now on the market. The large, triangular models currently retail for about \$3.50. They are excellent filters, but a do-it-yourselfer can make one which is just as good, or better, and costs under 30¢ each to make.

#### Materials needed for 12 filters:

- 1 piece Polyester foam (or Polyfoam) 12"x12"x2" (\$1)
- 12 pieces- 3/16" outside diameter rigid tubing 7" long (60¢)
- 12 pieces- 9/16" outside diameter semi-rigid tubing 6" long (\$1.20)

12 pieces- 1/2 oz. lead sinkers (60¢)

The polyester foam can be purchased from any store that sells

# FILTERS.....

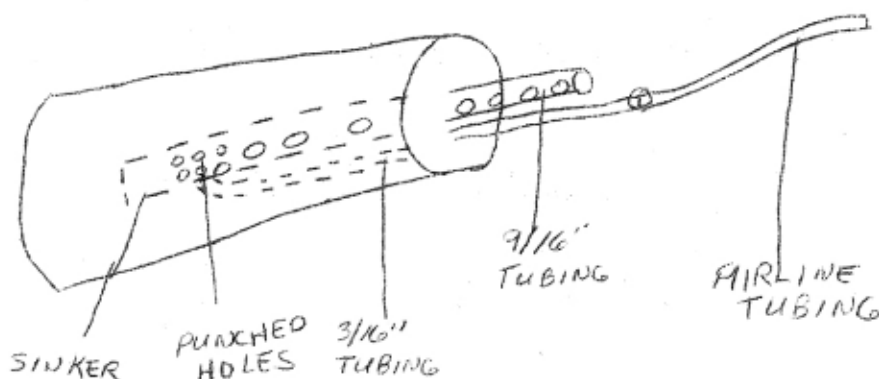
upholstery supplies(fabric, dept stores, etc.). Polyester is non-toxic, but some types are unsafe. If you get something other than Polyester, test it on some inexpensive fish. The 3/16" OD rigid tubing can be purchased in 3' lengths at many pet stores. The 9/16" OD semi rigid tubing can be purchased from most hardware stores, or you can use rigid tubing available from pet shops (it will cost more). Lead sinkers are available at department stores. (Long thin ones are best.)

To construct the airlift you will need a drill with a 3/16" bit, and some source of heat- I use a soldering iron.

After you have cut the proper lengths, drill a series of holes in the bottom fourth of each piece of 9/16" tubing (8 or 10 should be sufficient). Each piece of 3/16" tubing should have one end bent to about 45 degrees. This is easily done if the material is heated first, as with a soldering iron. Then the small tubing(bent end) is inserted into one of the holes (see diagram). A sinker is also forced into the lower end of the larger tubing to prevent the finished filter from floating.

With a pair of scissors, cut the foam into pieces 6"x2"x2". Also use the scissors to cut a slot down through the center of each piece, so that the airlift may be inserted. The corners may also be rounded off each piece of foam if so desired, giving it a more cylindrical appearance.

These filters are not as pretty as the commercial ones. They are, however, actually more efficient because there is a larger filtering surface.



reprinted from Guppy  
Roundtable August, 1977

## IFGA POINT STANDINGS AS OF AUGUST 16, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1 J&M Walker 2856		1 S. Shubel 3192		1 M. Lastella 3052	
2 J&S Woodruff 1946		2 G. Parrish 670		2 L. Wasserman 2478	
3 A. Ahrenholz 812		3 B&J Orth 490		3 J&M Walker 308	
4 D&L Grigg 252		4 L. Wasserman 462		4 B. Hazzard 294	
BLACK CLASS		MULTI CLASS		AOC CLASS	
1 L. Wasserman 3098		1 R. Szydluk 2954		1 B&J Orth 2940	
2 B&J Orth 1344		2 J. Horan 1246		2 E. Golimowski 1064	
3 A. Prall 742		3 R&L Williams 1022		3 D. Han 658	
4 H. Coren 490		4 D&L Grigg 406		4 R. Szydluk 476	
BICOLOR CLASS		PURPLE CLASS		SNAKESKIN CLASS	
1 R. Szydluk 5208		1 T&P Allen 2478		1 J. Zelk 3038	
2 E. Golimowski 1666		2 G. Parrish 1162		2 W&M Brandeberry 2184	
3 M. Lastella 1554		3 B. Heitt 784		3 G. Parrish 1190	
4 B. Hanna 896		4 R. Iorio 770		L. Wasserman 1190	
GOLD CLASS		YELLOW CLASS		BRONZE CLASS	
1 B&H Lapp 1582		1 B. McGovern 2898		1 J&M Walker 3220	
2 L. Wasserman 1358		2 J. Wolcott 532		2 L. Wasserman 1582	
3 T&S Wasylink 616		3 G. Parrish 448		3 R. Yater 490	
4 D. Saurers 406		4 T&S Wasylink 294		4 B&E Brunton 126	
ALBINO CLASS		SWORDTAIL CLASS		H/B AOC CLASS	
1 J&M Walker 3318		1 J. Horan 2496		1 M. Lastella 2674	
2 M. Lastella 924		2 D. Saurers 1904		2 L. Wasserman 1666	
3 T&S Wasylink 720		3 J.P. Schroeder 826		3 J. Rezutka 812	
4 D. Han 210		4 L. Allen 700		4 D&M Crabtree 392	
H/B RED CLASS		H/B PASTEL CLASS		M. Regent 392	
1 L. Wasserman 3458		1 T&S Swatkowski 1596		H/B BLUE CLASS	
2 D. Epple 966		2 G. Parrish 1218		1 M. Lastella 3066	
3 T. Archbold 938		3 B&P Shaff 910		2 L. Wasserman 1022	
4 M&H Jinkerson 644		4 J&M Walker 868		3 T&S Swatkowski 896	
BREEDER MALES		BREEDER FEMALES		4 B. Hazzard 420	
1 M. Lastella 3080		1 E. Golimowski 2478		H/B FEMALES	
2 F. Orteca 2870		2 D&M Crabtree 1428		1 M&H Jinkerson 630	
3 S. Shubel 1050		3 D&L Grigg 462		2 T. Archbold 434	
4 L. Wasserman 980		4 A. Kovacs 252		3 A. Kovacs 294	
BL/GREEN FEMALE		RED FEMALE		4 D&M Crabtree 140	
1 A&V Gonzalez 686		1 D. Polunas 658		AOC FEMALE	
2 J. Horan 434		2 E. Golimowski 630		1 E. Golimowski 756	
3 E. Golimowski 196		3 J&S Woodruff 238		2 M&M Golimowski 322	
4 D&M Crabtree 154		4 M&H Jinkerson 112		3 J. Horan 126	
				4 D&M Crabtree 98	



## STANDINGS.....

GOLD FEMALE	PTS	BLACK FEMALE	PTS	ALBINO FEMALE	PTS
1 D. Saurers	658	1 A&V Gonzalez	1036	1 T&S Wasylink	1554
2 T. Lobello	266	2 H. Coren	196	2 T. Barchalk	56
3 T&S Wasylink	238	3 D&M Crabtree	168	3 D. Han	42
4 B. McGovern	154	4 A. Berg	125	J&M Walker	42
FEMALE GRAND	PTS	MALE GRAND	PTS		
1 Eugene Golimowski	3500	1 Lou Wasserman	11970		
2 A&V Gonzalez	2065	2 Mike Lastella	9835		
3 D&M Crabtree	1085	3 Stan Shubel	5005		
4 Dom Saurers	665	4 J&M Walker	4690		
5 T&S Wasylink	630	5 Glen Parrish	4485		
6 Alex Kovacs	525	6 Rich Szydlak	3180		
7 M&HJinkerson	420	7 Eugene Golimowski	1715		
8 David Polunas	385	8 B&J Orth	1680		
9 Jim Horan	315	9 Ron Iorio	1505		
10. Ted Archbold	280	10 Jim Horan	1470		

## HOW TO OUTCROSS GUPPY STRAINS

by Midge Hill

## Part 2

In the first situation, where you have a good established strain but you have been unable to get a certain feature you want by inbreeding or line breeding within the strain, outcrossing can be the solution. Let's say you have been working with a strain of reds which are not as bright a red as you would like. Dr. Iarr has found that there are at least four different genes for red color. If your strain does not have all of these genes, no amount of inbreeding is going to produce what is not there to begin with. So, you will have to outcross to add the missing genes that are needed for a clearer, brighter red. Or, perhaps you have been trying to get a larger dorsal. You might be able through inbreeding, by careful selection of parents, to gradually over the years get a larger dorsal....maybe. But there is a chance to use an outcross to pick up a larger dorsal in less time.

It goes without saying that you do not want to lose the fine characteristics of your original strain. So while you are trying an outcross, you must keep your established strain going....not only to guard against loss of the strain if the outcross does not come out well, but also because you will need to have breeders from the pure strain to work with in order to incorporate the hybrids with the desirable added feature back into the pure strain.

What strain should be selected to outcross into an established strain when attempting to add a new feature to the established strain? First, the outcross strain should also be a well-established one....one that has bred true over many generations so that all of the males in each litter look very much alike and each generation looks very much like previous generations. The

## OUTCROSS.....

outcross strain should be of the same type as the strain you are going to outcross it to. In other words, outcross a red strain to red, a blue to blue, etc. And, obviously, the outcross strain must have the particular characteristic you are looking for.

When you find a strain that meets the above three requirements as closely as possible, you make the outcross both ways. Take your best male and mate him to females of the outcross strain and also take a male from the outcross strain and mate him to females from your original strain. You do this because you do not know which way will come out the best....and there is often a marked difference in results. And, of course, you keep the young separate so you can determine which was the most successful.

If you find a male in the first generation (the F1) that looks like your original strain and also has the new feature from the outcross strain that you were trying for....well, you are just about as lucky as it is possible to be. What has happened is that the feature you wanted to pick up has proved to be dominant, and so it appeared in the first generation. When this happens, you breed this F1 male back to females from your original strain.... you want to work back into your original strain as soon as possible after making this type of outcross. Since the trait has proved to be dominant there should be fish in each succeeding generation that show the trait. The breeding program is continued by breeding the best male with the new added feature back into the females of the pure strain that you have kept going on the side.

We have been talking about an outcross which produced the desired feature in the first generation. Most outcrosses will not be so lucky as to show the desired feature in the F1 .....but that does not mean it is not there. There are two reasons why a feature possessed by a strain used in an outcross may not show up in the F1: a) the feature is recessive, or b) it is carried only by the females.

If the feature you want does not show up in the F1, you should breed brother to sister from the F1 litter together. If the trait is recessive, it should show up in 25% of the offspring from this sibling breeding. Assuming that the trait turned out to be a simple recessive and showed up in 25% of the F2, you select an F2 male that looks the most like your original strain and which shows the new feature and breed him back to females from your original strain... which you have kept virgin exactly for this purpose. The recessive trait will again go into hiding in the offspring from this mating, but all the young will carry the trait and by breeding them together it will again show up in 25%. When breeding a recessive trait, you have to use a two-generation cycle....every other generation you will breed siblings and in the alternate generations you will breed back to the pure strain females.

You will remember we said there might be another reason why a trait would not show up in the F1....it might be that the new feature was passed to the F1 females, but not to the F1 males. Therefore, besides breeding brother to sister from the F1 to see

# OUTCROSS.....

if the missing trait is recessive, you should also breed some of the F1 females to males of your original strain on the off chance that the trait had been handed down by the outcross male on his X chromosome.....which goes only to his daughters. If this 1st generation of daughters are mated to either their brothers or back to the original strain males....but in the latter case you are a generation ahead in incorporating this desired feature into your original strain. From then on each future generation is bred by mating pure strain males with females from the hybrid line, which with each successive generation will get closer, genetically, to your original strain.

In summary, when an outcross is used to try to add a feature to an established strain, one of three things will happen in the first generation: 1) the desired trait is dominant, 2) it will not show in the F1 because it is recessive, or 3) it will not show in the first generation because it is carried by the females. The dominant trait and the trait carried by the females are the easiest to handle. The recessive trait is more difficult. But in all three the whole purpose is to breed the new trait into your original strain as often and as soon as possible.

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NEXT MONTH: When you are having trouble with an established strain....such as infertility, maybe.

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## PROPOSED IFGA SANCTIONED POINT SHOWS FOR 1978

Gateway Guppy Associates.....	Mar 25-26	
Midwest Guppy Club.....	Apr 8-9	MEETING
Columbus Guppy Specialists.....	Apr 23-24	
Everglades Guppy Club.....	May 13-14	
Pan Pacific Guppy Associates.....	June 3-4	
Baltimore Guppy Club.....	June 24-25	SEMINAR
East Coast Guppy Club.....	July 15-16	
Milwaukee Aquarium Society.....	July 29-30	
Northern Ohio Guppy Breeders.....	Aug 12-13	MEETING
New England Guppy Associates.....	Aug 26-27	
Maumee Valley Guppy Association.....	Sept 9-10	
Indianapolis Aquarium Society.....	Nov 3-4-5	ANNUAL MEETING

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## ATTENTION!!!

Clubs....Be sure to have a delegate or alternate at the Annual!

## THE PHANTOM FISHKEEPER

I bought two snails some months ago to put in my aquarium. The boy snail took the girl snail's hand, and asked if she would marry 'im. I guess that she said "yes, I will" because a few days later she became a mother proud and he a beaming pater. "Aha!" I shrieked in childish glee as eggs were incubating. "These scavengers will clean my tank, stop trash accumulating." "No algae shall invade my glass, no garbage foul the water, This family of cephalopods, these thousand sons and daughters, will keep a vigil night and day efficient, clean and quiet.... munching rot and filth and slime, a proper snailly diet."

The snails came sliding two by two they came by four by four. They oozed in columns of sixteen, & more and more and more. This legion multiplied by ten and then by twenty-three. In sheer delight I cried aloud..... "How clean my tank will be!" They cleaned the algae from the rocks, they scoured the airline clean. They licked the slime from everywhere..... above, below, between. And then they munched on tender root, on leaf and stalk and stem. "Ahem", said I with fretful frown, "I must get rid of them;". I picked them out by bucketful and threw them on the lawn. I cleaned the tank with salt and soap and prayed that they were gone. And to be sure, I rinsed it out with vinegar and lye, And bathed the rocks in turpentine and seven quarts of rye, And now my tank is all set up and all the snails are gone, And if you buy two mystery snails BEWARE.....they just might spawn!!

reprinted from Calquarium  
12/72



## ELECTRICITY AND AQUARIUMS

by W.J. Ehner

- HAVE YOU: Received an electrical shock when touching a metal reflector?  
Received an electrical shock when touching a stainless steel tank?  
Received an electrical shock when touching your tank stand?  
Had a metal reflector accidentally fall into the water and instinctively retrieved it?
- DO YOU: Work on your aquariums without shutting off the electricity at the outlet, away from the aquarium?  
Find yourself occasionally on a wet basement floor and working on your aquariums? With electricity on?  
Ever worry about what could happen to your small child who innocently plays with your or his aquarium?  
Ever wonder what others are doing to improve safety?

This article will explain the problem, and offer some suggestions to improve safety and reduce danger.

### ELECTRICITY:

The electricity energy that comes to the aquarium through the reflector lamp and the heater is of primary interest. The remaining power through the pump will generally make the aquarium 'hot' if the cord is frayed and touches a metal part such as the stand or the stainless steel tank.

The electricity to the lamp can get to the aquarist in two ways: leakage current and short circuits.

### LEAKAGE CURRENT:

Electricity to the lamp socket or lamp switch can take a secondary route over parts that are normally considered insulators (such as plastic sockets and knobs) when the insulating properties are changed by an action such as moisture deposition.

As water is condensed upon these insulators, the secondary route can be produced, allowing small amounts of electricity to flow across the lamp socket. This electricity is then conducted to the reflector in the case of a stainless steel reflector, and then to the frame of a stainless steel tank if there is a good, clean (low resistance) surface between the tank and the reflector. It can further be conducted to the metal stand if there is a good clean joint between the stainless steel tank and the frame.

Therefore, depending upon the resistance of the joints, the metal reflector, and perhaps the metal parts of the tank, and perhaps the metal frame, become 'hot' due to the electricity that is leaking across the plastic socket, switch or knob which is coated with the moisture condensation.

Touching these metal parts under these conditions produces the shock that most aquarists have experienced many times. The electricity at these metal parts is now flowing through the aquarist and to ground. Depending upon the floor, shoes, and moisture on the floor, a shock is felt which is generally alarming and exciting,

## ELECTRICITY.....

but rarely lethal.

### SHORTSHORTS:

A far more serious threat than leakage current is short circuits. This occurs when an insulator breaks down, and energizes a metal part, not with leakage current, but with full power, or when full potential gets to the water. If the aquarist touches the metal part under a short condition, he completes the circuit to ground. This has all the elements of electrocution or at least a severe shock condition.

The short can be produced in a number of ways. In a metal reflector, a wire chaffed by a missing insulating grommet which comes in contact with the metal will produce the condition.

A socket which has become cracked can produce the condition. A switch which has become damaged can produce the condition. A broken wire between the switch and the lamp socket can produce the condition.

A metal reflector accidentally dropped into the aquarium and instinctively retrieved can produce the condition; regardless if the switch is on or off. This is more likely to happen if a bulb is missing or a hot light bulb shatters when it touches the water. A chaffed wire touching the metal aquarium frame or the metal stand can produce the condition.

With a heater, the condition can be established by accidentally breaking the glass tube in the aquarium while rearranging the rocks for example.

It can also be created by insulator failure (cord chaffing or broken plastic housing) which comes in contact with metal.

In summary, the electricity shocks can be categorized into two types: leakage current and shorts. The leakage current is generally alarming and has been experienced many times by many aquarists. Shorts do not occur very frequently; however, remember that the first short you feel may well be the only short you will feel because all of the elements of electrocution are present.

### SOME SAFETY SUGGESTIONS:

Following are numerous suggestions for use which are not mutually dependent. However, some may apply to your specific situation and interest.

The metal portions of aquarium systems can readily be tested for leakage current or shorts without being shocked by using a neon test lamp available at most hardware and electrical equipment stores. Simply hold one wire between your fingers, and place the other wire on the metal parts. If the neon lights up, current is present and you will probably be shocked if you touch the metal. A periodic check of all metal parts of the aquarium system with such a test lamp is a good practice and will show up problems.

Shut off the electricity by pulling the plug before putting

## ELECTRICITY.....

your hands in the water.

Put a piece of plate glass over the aquarium (use extra thick---not single strength window glass with the edges smoothed) and place your metal reflector on it. The reflector can be taped to the plate glass. This will prevent moisture from condensing on the lamp socket, and in turn will prevent leakage current. Make sure the glass is thick (3/16") so the heat from the bulbs will not break it. Putting this glass barrier between the water and the bulbs will also improve your bulb life substantially, paying for the glass in a short time.

Heaters and/or filters can be accommodated by keeping one dimension short and supporting the glass only by three sides of the aquarium. Tape all metal reflectors to the sides of the tank using a good broad tape such as used on heating and air conditioning ducts. While this makes it inconvenient when changing bulbs or cleaning a tank, it does prevent accidental immersion of the reflectors into the tank.....changing or replacing tape is a small inconvenience.

If your reflector should fall into the tank, do not retrieve it until you have pulled the plug from the socket.

Never use a reflector with an incandescent bulb missing. Put or leave a burned out bulb in place, securely screwed. If you should drop a reflector in the tank, and instinctively retrieve it, a dead bulb will prevent the water from reaching the inside of the live socket instantaneously improving your chances.

Put a piece of masking tape (or other insulating material) between the metal frame of a stainless steel tank, and the metal stand, and between the tank and the reflector. This will prevent the leakage current from progressing beyond the reflector.

Regularly inspect wires for fraying or chaffed insulation and repair them immediately.

Do not operate reflectors that have a missing or damaged insulating grommet or bushing.

Make sure the heater is unplugged before rearranging the rocks.

Consider putting your lights on a circuit separate from the heaters and pumps with a master on-off switch wired into the cord. This not only allows you to switch the power on from a remote and preferably dry location, but also provides the convenience of a single switch for multiple tanks.

Put an on-off switch in the cord of your supplementary diaphragm earth filter. This eliminates the plugging and unplugging of the socket (many times on a wet floor) when you transfer the filter from one tank to another.

Don't work on a wet basement floor unless the power is off at the socket.

Don't ever work barefooted or in stockinged feet when work-

## ELECTRICITY.....

ing on the aquarium, unless all power is off at the socket.

Consider grounding the metal parts of the aquarium by drilling a hole in each metal stand and each metal reflector, cleaning off any paint or rust, and putting a #8 brass screw and nut through it. Run a #18 gauge wire under each screw, connect the wires securely together (with lots of slack for reflector movement) and then connect them to a wire which runs to the cold water pipe. Make certain that all joints are initially clean (including the connection to the water pipe.)

When purchasing a new reflector, make your decision factoring in safety as well as price.

Make sure you and your children understand equally well both the enjoyment and the potential danger of aquariums.

This article, while not all inclusive, tries to identify some of the risks and possible dangers of electricity and water in an aquarium, and offers several suggestions that you might find helpful.

reprint from Scavenger  
5/6/76

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## PROFILE ON THE EXPERTS.....

Glen Parrish

Unless one is a very recent 'guppy nut', I'm positive the name of our second expert is not a new one to you. Glen Parrish has been in the top Grand Overall Male competition for as long as he has been showing. His name appears in the standings often enough to be familiar to one and all! This year Glen has slowed down considerably in exhibiting. Since he is a resident of Granada Hills, California and the water in that area is at a premium, Glen has been exhibiting in fewer shows. Even with this slow-down, his name is still right up there in the standings.

A member of Pan Pacific Guppy Club since 1967, Glen began showing in 1968. He and his wife, Leota, have two sons, Brad and Stan.

The fish room at the Parrish's is a two car garage. It holds 132 tanks---48 tens, 30 fifteens, 54 twenty-twins. These tanks prove ample for the Blues, Bronze, Green, Half Black Pastels, Purple (Glen's favorites), Yellows, and snakeskins as well as the clown loaches and bala sharks.

Glen claims to have gotten bit by the tropical fish bug when his wife kept a community tank. This led to Glen's eventual interest in guppies for show. It just goes to show you what can happen when you start out with a little 5 gallon tank, Leota!!





## EXPERTS.....

When his fish are 2 $\frac{1}{2}$  to 3 months old, they are selected as breeders if any are wanted from that particular batch of fish. Usually three or four of the largest males and six to eight of the females are placed in a ten or fifteen gallon tank. When a female is ready to drop fry, she is put in a ten gallon aquarium by herself. When the fry are one month old they are sexed and go into a fifteen or twenty gallon tank.

The fish are fed five times a day. The babies get baby brine shrimp every feeding. The older fish get four dry food feedings. The fifth feeding is usually a ~~###~~ live food. Glen changes filters every two weeks. When water conditions (draught wise) permit 30% of the water is changed each week. He uses no catfish, snails or plants. The lighting in the fish room is fluorescent and is on twelve hours a day.

The best advise Glen feels he can give a newcomer to the fancy guppy hobby is.....If you expect to raise show quality guppies, DON'T CROWD YOUR FISH.

\*\*\*\*\*

NOW IS THE TIME FOR ALL GOOD MEN.....etc, etc, etc..

The show season is about over. All that remains to be printed for this year is the results from Bay Area and the Annual at Chicago. Therefore it becomes even more important that we at MVGA have your help through original articles. The Bulletin can become very thin when all it contains is a few reprints. We cannot expect other clubs to carry the burden or making our publication a success by keeping a steady stream of "guppy articles" in them so I have enough reprints!

Everyone of you have had experiences, good or bad, that many people would be interested in reading. Too many times we say, "OH, nobody wants to hear that." or "Everybody already knows all the things I do, what could I teach anyone?" Well you would be surprised. Just jot them down and send them in. Even if you just want to send in a brief outline and leave the rest to us....that's OK.

How about making it a policy for each of the IFGA member clubs to submit one article per year from its membership? It could be a combined effort perhaps by surveying the members as to tank preferences, filters, etc. Or it could be the job of the Secretary or Librarian of the club to come up with an article. Really, is that such a chore to ask?!

Well, I better get off my soap box ..... what with all the typographical errors this month, no one will write for us..... sorry about all the errors, no excuses, just my apologies.

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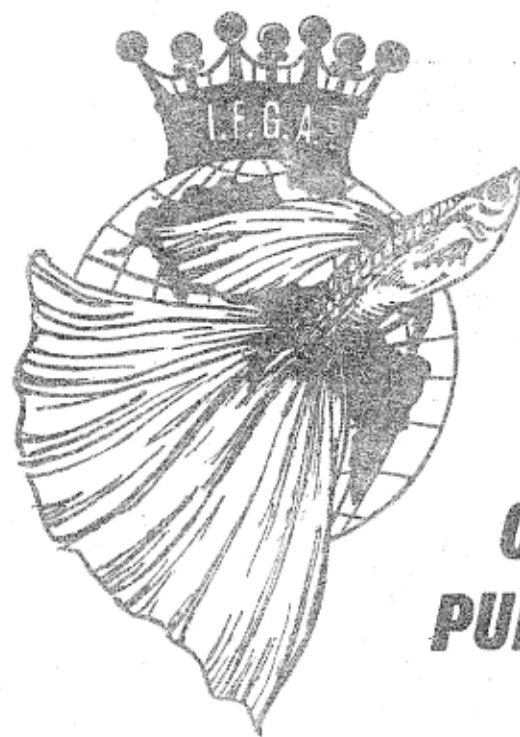
BY THE WAY.....

Patience is the ability to idle your motor when you really feel like stripping your gears.

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**OFFICIAL  
PUBLICATION**



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....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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# EDITORIAL

For the last few years there has been much discussion about splitting the bi-color class into three separate classes with annual awards for each. The proposed bi-color classes would be red, AOC, and blue/green combined. There has been a lot of arguments both for and against this proposal and it seems that every year when it comes up, it is either tabled or defeated. This year I think IFGA should buckle down and pass this proposal. There are a number of reasons that I feel this way.

I think the main reason is that these classes are always big and they will more than pay for themselves. If the criteria for being mandatory classes is the fact that they pay for themselves, then the three bi-color classes are more deserving than some of the mandatory classes we have now, such as the albino, swordtail, and gold classes. Another reason is that with the three bi-color classes, more people will have a chance to win a class championship. One of the gripes I have heard at meetings and shows is that the same people seem to be winning year after year. They have proposed that we limit the number of entries an entrant could put into each class. Why limit the entries when by dividing the classes we can accomplish the same thing?

As for combining the blue and the green bi-color classes, we have so many disqualifications in these classes it seems only natural to do it this way. I think of all the things that can happen when entering a show, the most frustrating must be to enter a fish in blue bi-color, have him turn into a green bi-color a few hours later and be disqualified. Then he turns back to a blue bi-color again before the show is over. I am sure that many of you can think of some more good reasons for the above proposal to split the bi-color classes, so I will end by saying that we should get this in now and see ya in Chicago!!

Bill Brandeberry  
President, MVGA

## THINK NATURAL

by Andrew Hull

Many of us with limited tank space are often forced to show the same males we use for breeding. Unfortunately, the plastic breeding grass, while an effective baby-saver, is also an effective caudal shredder. So after having several prize males split their caudals while chasing females in the plastic grass, I decided to switch to water sprite (*Synnema triflora*), a medium frequently recommended by pioneer guppy breeders like Larry Konig and Paul Hannel.

The obvious advantage to water sprite is that it is soft and so will not shred a male's caudal, no matter how vigorously he pursues his mate. There are other less obvious advantages, for instance, a living plant will precess some of the waste carbon dioxide into oxygen. Also, since it floats on the top of a tank, water sprite will reduce the amount of unsightly algae growing

## NATURAL.....

algae growing on the tank's sides.

A dense clump of water sprite also seems to provide better cover for the female as she drops the young since she can hide in even the densest mass of water sprite. This is an important consideration, especially for breeders who employ young (4-5 month old) females, since these young females have a tendency to get stuck in plastic breeding grass when hiding from overly amorous males or during delivery of fry.

Although an excellent cover in breeding tanks, water sprite is not without drawbacks. For one thing, it requires large amounts of light. Consequently, Planting it in under-lighted tanks will lead to the slow deterioration of the leaves which in turn will result in polluting the tank. Conversely, if the water sprite is allowed to grow too densely (e.g., a 1-2 inch layer covering the entire tank) then the airstone will be unable to break the surface tension and keep the tank well aerated. This problem can be handled by periodically harvesting some of the water sprite and putting it in another tank or selling the excess to some local pet shop.

The most serious drawback with water sprite is when a tank is hit by a serious disease. Some medications (e.g., methylene blue) which cut off light to harmful bacteria will also kill water sprite which in turn will pollute as it decays. In addition, water sprite cannot be bleached as can plastic breeding grass, so the water sprite may serve as a disease carrier when reintroduced to a tank which has been disinfected. The remedy for this problem is simply to throw away the contaminated plants and then replace them with new plants from a healthy tank (given the rapid reproduction rate of water sprite, there should always be an adequate supply of replacement plants).

Although not a panacea, water sprite can greatly aid the breeder who must use the same fish both for showing and breeding.

## EDITORIAL FEEDBACK.....The Novice Question by Stan Shubel

After giving the matter some thought, I believe there may be a simple solution to the novice class problem.

As our standards now state, once a person has taken a first place award he is no longer considered a novice. Then he must compete with the more experienced breeders which some feel is wrong.

While it is not our wish to discourage beginners in the show circuit, I do not feel it is necessary to have a "Novice of the Year Award".

All we would have to do is change the wording to say "for example, A person may continue to show fish in the novice class until he has won a first place award in any other class except novice."

In this manner someone could continue to show in the novice



## FEEDBACK.....

class at local or nearby shows until they feel their fish are good enough for open competition. This would give them the opportunity to determine themselves when they are ready to "go against the big guns".

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## EDITORIAL FEEDBACK.....The Novice Question by Bob Nauert

As a novice breeder, I have followed with interest the recent editorial and feedback concerning the Novice Class. I'm submitting my opinion because I probably speak for others who feel as I do.

First, my geographical location makes it difficult, if not impossible, for me to attend the IFGA Shows which are held predominantly in the northern states. Having never attended an IFGA Show, I'm not sure what the competition is from a first hand visit, and can only judge by the names I see in the winners column. These names are some of the same ones from whom I purchase breeding stock. Knowing the reputation and quality of fish supplied by these breeders, whom I'm sure must show even better fish than they ship (which are the finest I've ever seen), I certainly would not consider attempting to start showing fish in the same category as these breeders. Up to this point I haven't developed my fish to the point I felt they were really ready for the novice class even. I hope to start showing in the novice class next year however..... Provided there remains a novice class. I feel it is indeed important to have a novice class for those such as myself to develop our confidence.....and our guppies.....to the point we are ready to take on the 'top dogs'.

Secondly, I'd like to speak in defense of mail order guppies from those who show in IFGA Shows. I have had one bad experience with mail order, but the breeder remained unnamed, only a company was mentioned. I have purchased fish from John Wolcott and Glen Parrish and have been aided immensely by both. Complaints (I've only had one) have been promptly remedied without question, and the guppies have invariably been highest quality and flawless. I would not hesitate to purchase mail order guppies from any IFGA member.

I always look forward to receiving the IFGA Bulletin and have benefited greatly from the articles.

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We at MVGA want to take this time to thank the folks out there who have been so gracious with their compliments on our Bulletins. Midge Hill set up a hard act to follow and we are just glad we have been able to meet her high standards. The compliments do help make all the work worthwhile! Thank you all again.

Also don't forget to send in your name and strains for the directory. Hopefully we can begin printing the first of the year.

## EDITORIAL FEEDBACK.....The Novice Question.....by Larry Crilly

.....A few comments on recent items in the Bulletin since I'm writing anyway.

Having entered two almost identical fish (blue bi-colors) in my first show in Cleveland and taking a first in Novice and a second in AOC Bi-color veil, I can give you my own attitude and analysis of the Novice Class. I feel that the present arrangement is fine...if someone who has already won a 1st is still allowed to enter Novice, then everyone else's chances are reduced. Simultaneously entering both at once gives a novice exhibitor a better indication of just how good his fish really are. And to consistently win no higher than 2nd, why shouldn't I (or anyone) have at least the opportunity to win a 1st at least once, if only in Novice.

Competition for a yearly trophy in Novice isn't really going to encourage people to enter more fish in the other classes where more competition is needed.

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## BRINE SHRIMP EGGS CAN BE HATCHED

by Herb & Carol Kress

Anyone breeding tropical fish has occasionally used brine shrimp eggs, as it is probably our best, reliable, constant food for baby and young fish. It is easy to use, has superior food value, is alive, and stays alive for hours depending on how much salt is in your tank water. It is also a prime subject when two or more hobbyists get together.

The problems are : availability and hatching with consistency. The eggs are still tough to get and since the manufacturers won't guarantee the hatch, we have to experiment to find our own hatching formulas.

The only reason, in most cases, that the eggs won't hatch is moisture. Evidently, because of demand, the collectors aren't drying the eggs thoroughly. If when you first open a can and get a fishy odor, there is excess moisture. Since all fish rooms have too much moisture, you can extract the excess by putting the opened can of eggs in a frost free freezer or a warm dry place. We place all opened cans, with holes in the plastic top, on the ballast of an 80 watt fluorescent fixture which is used 24 hours a day. If you turn this light off the eggs will absorb moisture like a sponge.

After much trial and error and waste, we've found that the following system works toward a 90%+ hatch. Use three or four glass jugs (any size from a quart to a gallon) and add one LEVEL tablespoon of kosher salt to each quart of water. (3 1/2 tablespoons to one gallon filled to the start of the neck). Do not use air-stones but get some 1/2 inch rigid air tubing, attach it to your airlines, tilt your jars up to 30 degrees with the tube opening at the lowest point in the jar. We add two to three teaspoons of eggs to each gallon jug, and feeding can be done in 24-48 hours depending on the temperature. You can suspend a 15, 25, or 40 watt bulb in the center (between the jars...not over them) First,

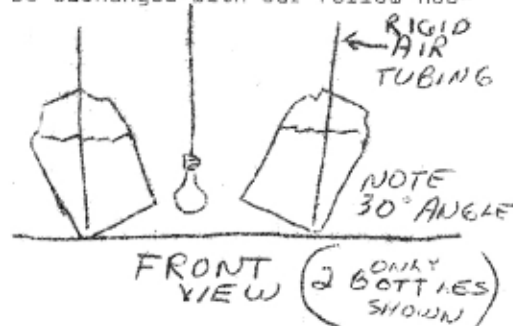
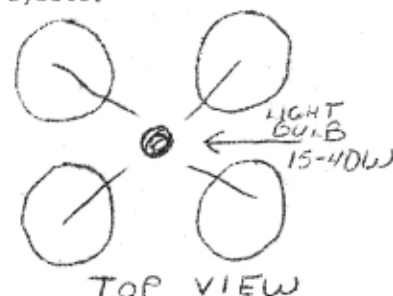
## BRINE SHRIMP

the shrimp won't hatch below 70° (best at 80-95°), second, the shrimp are attracted to the light which creates additional current in the jar.

Some additional notes:

1. Less salt makes the eggs less buoyant so they always go to the bottom.
2. By not using airstones you don't kill hatched shrimp and for some reason you don't get the build-up on the inside of the jars. Also, airstones push unhatched eggs above the water line where they probably rot.
3. To decrease your hatch you can increase your pH. Most supermarkets sell a product called "Red Devil Lye" which is a drain opener. Mix up a stock solution of one teaspoon lye to two ounces of cold (not hot) water and add 6-8 drops to each gallon of hatching water. (DO NOT USE DRAINING. What you want is plain household lye. One of the products sold here in the Akron area goes by the name of "Lewis Lye". Look for it in the household products section close to the drain openers.)
4. Never reuse your hatch water as the bacteria build-up has been shown to cause codinism.
5. Instead of a shrimp net, we use a permanent poly coffee filter to strain the shrimp.
6. You want to feed as soon as most of the shrimp hatch. Like most living things the shrimp have a yolk sac after hatching and this is then the shrimp have their best nutritional value. If you look at your hatch water after straining the shrimp and it has an orange tint, you have to feed sooner or lower the temperature. The water for good hatches should be sufficiently cloudy with a light tan tint.

Since supplies of shrimp eggs are getting scarcer we all have to work together to make the best use of what is available. Any suggestions you may have should be exchanged with our fellow hobbyists.



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5	lb BAG	425





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03	Guppy Food	1.30	40%	
04	Infusoria Powder	2.50		
05	Dried Shrimp Meal	1.25	50%	
06	Shredded Shrimp	1.60	50%	
07	Dried Liver Meal	1.25	50%	
08	Dried Beef Meal	1.25	50%	
09	Dried Fish Meal	1.25	50%	
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SHOW GUPPY

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# IFGA POINT STANDINGS- FINAL 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1 J&M Walker	2996	1 S. Shubel	3192	1 M. Lastella	3248
2 J&S Woodruff	1946	2 G. Parrish	880	2 L. Wasserman	2478
3 A. Ahrenholz	924	3 L. Allen	756	3 J&M Walker	378
4 D&L Grigg	252	4 B&J Orth	588	4 B. Hazzard	378
BLACK CLASS		MULTI CLASS		AOC CLASS	
1 L. Wasserman	3378	1 R. Szydluk	2954	1 B&J Orth	3136
2 B&J Orth	1344	2 J. Horan	1246	2 E. Golimowski	1064
3 A. Prall	742	3 R&L Williams	1022	3 D. Han	658
4 H. Coren	490	4 D&L Grigg	406	4 R. Szydluk	476
BICOLOR CLASS		PURPLE CLASS		SNAKESKIN CLASS	
1 R. Szydluk	5208	1 T&P Allen	2618	1 J. Zelk	3514
2 E. Golimowski	1932	2 G. Parrish	1540	2 W&M Brandeberry	2184
3 M. Lastella	1554	3 B. Hoitt	784	3 L. Wasserman	1400
4 B. Hanna	896	4 R. Iorio	770	4 G. Parrish	1246
GOLD CLASS		YELLOW CLASS		BRONZE CLASS	
1 B&H Lapp	2072	1 B. McGovern	3094	1 J&M Walker	3500
2 L. Wasserman	1568	2 G. Parrish	630	2 L. Wasserman	1582
3 T&S Wasylink	616	3 J. Wolcott	532	3 R. Yater	490
4 D. Saurers	406	4 J&M Walker	476	4 J. Rezutka	448
ALBINO CLASS		SWORDTAIL CLASS		H/B AOC CLASS	
1 J&M Walker	3626	1 J. Horan	2496	1 M. Lastella	2912
2 M. Lastella	1050	2 D. Saurers	1904	2 L. Wasserman	1666
3 T&S Wasylink	728	3 J.P. Schroeder	826	3 J. Rezutka	812
4 D. Han	210	4 L. Allen	700	4 G. Pauly	518
H/B RED CLASS		H/B PASTEL CLASS		H/B BLUE CLASS	
1 L. Wasserman	3668	1 T&S Swatkowski	1596	1 M. Lastella	3276
2 T. Archbold	1148	2 G. Parrish	1260	2 L. Wasserman	1022
3 M&H Jinkerson	980	3 J&M Walker	1190	3 T&S Swatkowski	980
4 D. Eppele	966	4 B&P Shaff	1022	4 B. Hazzard	490
BREEDER MALES		BREEDER FEMALES		H/B FEMALE CLASS	
1 M. Lastella	3430	1 E. Golimowski	2688	1 M&H Jinkerson	756
2 F. Orteca	3220	2 D&M Crabtree	1428	2 T. Archbold	434
3 S. Shubel	1050	3 D&L Grigg	462	3 A. Kovacs	294
4 L. Wasserman	980	4 A&V Gonzalez	294	4 D&M Crabtree	140
BL/GREEN FEMALE CLASS		RED FEMALE CLASS		AOC FEMALE CLASS	
1 A&V Gonzalez	714	1 E. Golimowski	770	1 E. Golimowski	756
2 J. Horan	434	2 D. Polunas	714	2 M&M Golimowski	476
3 E. Golimowski	294	3 J&S Woodruff	238	3 J. Horan	126
4 D&M Crabtree	154	4 M&H Jinkerson	112	3 C. Price	126

# STANDINGS.....

GOLD FEMALE CLASS		BLACK FEMALE CLASS		ALBINO FEMALE CLASS	
1 D. Saurers	658	1 A&V Gonzalez	1204	1 T&S Wasylink	1554
2 T. Lobello	364	2 H. Coren	224	2 J&M Walker	112
3 T&S Wasylink	238	3 D&M Crabtree	168	3 T. Barchalk	56
4 B. McGovern	154	4 A. Berg	126	4 D. Han	42

FEMALE GRAND OVERALL		MALE GRAND OVERALL	
1 Eugene Golimowski	4095	1 Lou Wasserman	12950
2 Angel & Virginia Gonzalez	2275	2 Mike Lastella	11445
3 Dave & Mary Crabtree	1085	3 John & MaryLou Walker	5810
4 Don Saurers	665	4 Glen Parrish	5675
5 Terry & Sheila Wasylink	630	5 Stan Shubel	5005
6 Alex Kovacs	525	6 Rich Szydlak	3180
7 Mike & Harold Jinkerson	420	7 Bill & Judy Orth	2030
8 David M. Polunas	385	8 Eugene Golimowski	1785
9 Jim Horan	315	9 Ron Iorio	1505
10 Ted Archbold	280	10 Jim Horan	1470

## CONGRATULATIONS!!

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## HOW TO OUTCROSS GUPPY STRAINS....Part 3 by Midge Hill

Now let's go to the second outcross situation. This is the case of an established, highly inbred strain which has developed a major genetic flaw such as infertility, a high percentage of crooked spines, susceptibility to disease, etc. An established strain which is rapidly going downhill because of a genetic problem (but which is still beautiful in other ways) can sometimes be rescued by careful selection of breeders without resorting to an outcross. You would certainly want to try this first.

Let me say here that inbreeding guppies, even very close inbreeding, is not of itself harmful. Guppies will take close inbreeding for many generations without significant loss of size or color or vigor. When highly inbred strains develop serious genetic defects, and they often do, it is not because they have been inbred for too long a time, but rather because the breeder picked the wrong fish to use as parents.

But, what if your established strain just gets worse, no matter how carefully you try to pick the best parents....you can try an outcross. You should still try to keep the original strain going, if you can, because you should bring back the outcross hybrids into the original strain as fast as you can.

You would use the same criteria in selecting the outcross strain as were used in the preceding outcross situation. Again, outcross both ways if at all possible, and again, keep the offspring going from these matings separated until it can be determined which mating was most successful. When these F-1 hybrids are old enough to select breeders, breed the best male from the F-1 back into your original strain. It might also be wise to also breed one of the

## OUTCROSS.....

hybrid females to the best male available from the original strain.. just to see which method of breeding gives the best results. Continue this line of breeding.....hybrid to pure strain....as long as possible. If the weaknesses start to show up again, back up and breed the hybrid siblings to siblings until the fault disappears again.

Perhaps I have not said enough about why you want the outcross strain to be a well established, true-breeding strain. Remember, that what an outcross does is to scramble together the genetic patterns of the two strains which are crossed. If one side of the cross is itself only a few generations away from a previous outcross, all you have accomplished is to further mix up the genetic patterns. Long experience and experimentation have proved that these hybrid-hybrids may look good for a few generations, but that their mixed up gene patterns soon cause them to regress back towards a small, motley fish.

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Next month: Outcrossing to produce big show hybrids.

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## pH, AN EXPLANATION

by John F. Kuhns

After having read two recent articles by well known authors, both concerning pH and its importance to the inhabitants of water, I discovered that both articles fell short of a proper and accurate explanation. One, in fact, was almost 100% incorrect.

Deciding that the average hobbyist deserves better, and knowing that the advanced hobbyists lose faith when their favorite journals and magazines can't consistently supply them with accurate and precise facts, I am offering the following "short course in pH".

To begin with the term itself: pH is always written 'pH' even if it is the first word in a sentence. pH does not stand for 'parts hydrogen', 'percent hydrogen', or 'particles hydrogen'. The term pH is in fact a mathematical representation for the "negative logarithm of the hydrogen ion activity (concentration)".

From a thorough understanding of the term itself one can readily see the importance of pH in the water environment. For instance, the logarithmic relationship itself should be understood, or one may never understand why his prize batfish died when the pH "only" changed by 0.1.

First let's see how the pH number is actually derived. Taking a water that tests out at a pH=7.4, let's see what the actual concentration of the hydrogen ion ( $H^+$ ) is:

The "negative logarithm" (-log) of a number is found by taking the logarithm of the number (N) divided into 1 (the reciprocal):  $\log N = \frac{1}{N}$



pH.....

Now, since 7.4 is the pH and the  $pH = -\log N$  then:  $\log \frac{1}{N} = 7.4$

Now we need to find the anti-logarithm of both expressions above:

$$\text{antilog} \left( \log \frac{1}{N} \right) = \text{antilog } 7.4$$

or

$$\frac{1}{N} = \text{antilog } 7.4$$

Looking up the antilog of 7.4 or doing the same thing on a calculator equipped with a log function give:

$$\frac{1}{N} = 2511864$$

Algebraic rearrangement gives:

$$N = \frac{1}{2511864}$$

$$\text{and: } N = 3.9811 \times 10^{-8}$$

In other words the hydrogen ion concentration is:

$$H^+ = 3.9811 \times 10^{-8} \text{ moles/liter}$$

which is equivalent to:

$$H^+ = 4.0128 \times 10^{-8} \text{ grams/liter}$$

Now what happens to the pH if the concentration of the hydrogen ion were to double? Does the pH double? Let's see:

$$H^+ = 80256 \times 10^{-8} \text{ grams/liter}$$

$$H^+ = 7.9621 \times 10^{-8} \text{ moles/liter}$$

Taking the negative logarithm of the concentration value:

$$-\log H^+ = \log \frac{1}{7.9621 \times 10^{-8}}$$

$$\text{which is: } -\log H^+ = \log 1.2559 \times 10^7$$

or

$$-\log H^+ = 7.1 \text{ (approx)}$$

Then doubling the hydrogen ion ( $H^+$ ) concentration which is the same as increasing the acidity by a factor of two, only changes the pH by 0.31! The difference between a pH of 7 and a pH of 8 is a factor of 10!

When the pH is 7, this means that the solution being measured is neutral, or in other words there are an equal number (concentration) of hydrogen ( $H^+$ ) and hydroxyl ( $OH^-$ ) ions. As the pH becomes lower the concentration of hydrogen ions ( $H^+$ ) increases; the water becomes more acid. As the pH raises the acidity decreases and the alkalinity means that the hydroxyl ions ( $OH^-$ ) are increasing.

Another way of showing this relationship is by using pOH. At pH=7 the pOH also equals 7. At a pH of 8, the pOH=6. In other words, pH + pOH = 14 always.

In aquariums as well as in nature the pH (or pOH) is a valuable indicator of what is happening chemically as well as biologically in the water.

reprint Heart of America 10/77

# NORTHERN OHIO GUPPY BREEDERS ASSOCIATION

Sept. 24-25, 1977

Non-point Show Results

Akron, OH

JUDGES: Don Craft, Dave Crabtree

ASS'T JUDGES: Ed Porter, Sharon Woodruff, Jim Woodruff, Al Mueller, Terry Barchalk

OBSERVERS: Thelma Appleby, Barb Ambrosia, Tom Ambrosia, Ray Carden, Linda Barchalk

## BEST OF SHOW

MALE: (Red Bi)	(H/B Red)	(Blue)	(Black)
1 Terry Barchalk	2 L. Wasserman	3 Don Craft	4 S&A Hull
FEMALE: (AOC)	(Bl/Gr)	(H/B)	(Red)
1 E&C Porter	2 J&S Woodruff	3 D&M Crabtree	4 Don Saurers
TANK COMBINED: (11)			
1 Frank Orteca	2 Don Craft	3 Wally Kontor	4 Mike Behmer

BREEDERS: (1)

1 Al Mueller

## RED MALE (14)

1 Wally Kontor  
2 J&S Woodruff  
3 A.R. Mueller  
4 Jerry Rietcheck

## BLACK MALE (8)

1 S&A Hull  
2 D&M Crabtree  
3 Lou Wasserman  
4 Lou Wasserman

## SNAKESKIN MALE (9)

1 Yamil Bermudez  
2 Frank Orteca  
3 Lou Wasserman  
4 Lou Wasserman

## AOC MALE (7)

1 Don Saurers  
2 Mike Behmer  
3 Don Saurers  
4 Jerry Rietcheck

## NOVICE MALE (5)

1 R&N Carden  
2 Tom Pallija  
3 Mrs Howard Ohme  
4 Tom Ambrosia

## BLUE MALE (5)

1 Don Craft  
2 Terry Barchalk  
3 Lou Wasserman  
4 Disq

## PURPLE MALE (2)

1 Lou Wasserman  
2 Jack Wilson  
3 -----  
4 -----

## H/B RED MALE (6)

1 Lou Wasserman  
2 Alex Kovacs  
3 Alex Kovacs  
4 J&S Woodruff

## RED BICOLOR MALE (15)

1 Terry Barchalk  
2 Wally Kontor  
3 R&N Carden  
4 Mike Behmer

## RED FEMALE (3)

1 Don Saurers  
2 Disq  
3 Disq  
4 -----

## GREEN MALE (5)

1 Frank Orteca  
2 Frank Orteca  
3 Frank Orteca  
4 Disq

## MULTI MALE (11)

1 Lou Wasserman  
2 Robert Puckett  
3 Robert Puckett  
4 Robert Puckett

## H/B AOC MALE (13)

1 Lou Wasserman  
2 Robert Puckett  
3 D&M Crabtree  
4 Terry Barchalk

## AOC BICOLOR MALE (5)

1 Mike Behmer  
2 J&S Woodruff  
3 Mike Behmer  
4 A.R. Mueller

## BL/GREEN FEMALE (10)

1 J&S Woodruff  
2 A.R. Mueller  
3 Alex Kovacs  
4 D&M Crabtree

# NOGBA RESULTS.....

## H/B FEMALE (6)

- 1 D&M Crabtree
- 2 R&N Carden
- 3 Lou Wasserman
- 4 A.R. Mueller

## ADC FEMALE (11)

- 1 E&C Porter
- 2 Jerry Rietcheck
- 3 Wally Kontor
- 4 A.R. Mueller

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## A LOOK AT LIVE BIRTH REPRODUCTION IN FISH by Bob Wilson

In most cases there is no mystery surrounding the spawning of egg-layers, but when it comes to the livebearers, everything is not quite so easily observed. Most livebearers are classified as ovoviviparous (live-bearing) creatures.

Over the years there has been much controversy as to whether copulation (joining together or sexual union) with internal fertilization actually takes place among livebearers. Using the latest equipment and procedures such as slow motion movies and electronic flash photography to record and observe the actions of the fish, and additionally verifying the presence of sperm after these observations by microscopic examination of the females, science has proven the theory of copulation. Although most livebearers seem to be continually courting or mating in the aquarium, the real fertilization occurs in a rare copulatory act which may last as long as five seconds. Without this prolonged contact there is no transfer of sperm.

The male anal fin or gonopodium does not function as a true copulative organ, but is instrumental in the transfer of spermatozoa from the genital pore of the male to the genital opening of the female. The gonopodium differs somewhat among the livebearing families but basically consist of several thickened and elongated rays of the anal fin which fold together to form a passageway for the sperm. Some species, such as swordtails, have a claw or hooklike appendage known as a "holdfast" at the end of the gonopodium. These are used to hold the contact with the female until the spermatozoa have been transferred. Experiments where these "holdfasts" were removed from the gonopodium showed fertilization did not take place (Rosen & Bailey, 1963). The gonopodium is normally carried backward, paralleling the body. It is controlled by vigorous muscles which are capable of moving the gonopodium quickly to the side or rear and swinging the gonopodium forward to effect contact with the female genital opening. This forward movement causes the sperm to emerge from the genital pore at the base of the gonopodium. When in position, a quick thrust inserts the tip of the gonopodium and one or more sperm capsules are pushed to the tip and expelled into the female. This entire sequence occurs very quickly and may be observed as a continuing ritual with most livebearers. However, in most cases, there is merely a light brushing contact with the body of the female and as stated previously, without prolonged contact there is no transfer of sperm to the female. ED NOTE: I question this...)

# LIVE BIRTH.....

Inside the body of the female, the spermatozoa break apart releasing as many as 5,000 individual sperms which make their way into the ovarian cavity where they remain active for up to several months. A note of interest, the sperm of egg-layers, released into the water to fertilize the predeposited eggs, survive for approximately one to five minutes. The sperm remains in the ovarian tissue where egg production takes place, and enter the eggs as they ripen. This accounts for the ability of livebearers females to produce more than one brood from a single fertilization.

Fertile eggs are retained in the ovarian cavity and embryo development begins. The mother provides no nourishment to the egg, but is the egg connected in any way to her circulatory system. The egg contains a yolk sac and this yolk material is consumed for energy used in building tissue. Full development occurs at four to six weeks depending on several variables: the general health and age of the female, her diet, and the water temperature.

When birth begins, the egg covering or shell bursts from the pressure of being expelled and the babies emerge either singly or in small bunches at intervals over a period of hours or in some cases days. The babies may be born either head or tail first or even as they were positioned in the egg- folded head to tail. Most generally, livebearers give birth in the morning, from dawn to about three hours later. Premature births occur occasionally and are usually attributed to frightening the female, rough handling in moving her to a breeding trap or another tank, or exposure to any drastic temperature change. If this happens you will probably see young still with their yolk sacs. Some premature babies may survive but usually they die. If these situations are avoided, the young will normally be released fully developed, free-swimming, and hungry.

reprint from Pisces Press  
6/75

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## A THRILL

by Denis Croteau

About two years ago I was reading an article in the guppy club publication and the title was: "How do you know if you don't show" and this was true. I'll never know how fine my guppies are if I don't try to show them. I surely have one very fine strain and one of the very best in the Montreal area, but how good are my guppies compared to those of the big names in our hobby?

The next summer (1976), I sent my first male to a guppy show asking to be entered in the novice class. I began a long and nervous wait. About two weeks later I received a letter from the host club. They gently wrote to me that my fish would certainly have won the novice class and was good enough for regular purple veil class if he hadn't arrived two days after the show's closure.

At first this was so disappointing for me but thinking about



THRILL.....

it, it appeared very positive to me that the fish was good enough to win in novice and could be a good competitor in purple veil. This helped me decide. Next year I'll be on the show results.

Finally came the end of April 1977 and the beginning of the show time. I sent one male and one female to Lafayette, Indiana and they were entered in Novice male and novice female classes. The results arrived at home the next Friday. I nervously searched for the novice class. What a thrill!! I had won in novice combined and took the first place in the novice female class. JUST GREAT!

Looking at the rest of the results, my eyes stoppped right at the Best of Show results. My name was there! First best of show, just before Glen Parrish and Lou Wasserman....two of the biggest names in our guppy world. Incredible! Am I dreaming?! These were my first words. In front of that success I said maybe it is only a big chance, I'll try another time to see.

My second show was the New England Guppy Show: another big result.....first place in purple delta and second best of show. I entered in four pther shows and took two first places, one third, and two fourths. I've never been out of the top four places in any show I entered. I enter only one or two different guppies each time due to my limited number of males available.

I hope this article will give the desire and motivation to show guppies to those who are hesitating. Be sure about it.... You'll never know if you don't show!

\*\*\*\*\*

#### PROPOSED IFGA SANCTIONED POINT SHOWS FOR 1978

Gateway Guppy Associates.....Mar 25-26  
Midwest Guppy Club.....Apr 8-9 MEETING  
Columbus Guppy Specialists.....Apr 23-24  
Everglades Guppy Club.....May 13-14  
Pan Pacific Guppy Associates.....June 3-4  
Baltimore Guppy Club.....June 24-25 SEMINAR  
East Coast Guppy Club.....July 15-16  
Milwaukee Aquarium Society.....July 29-30  
Northern Ohio Guppy Breeders.....Aug 12-13 MEETING  
New England Guppy Associates.....Aug 26-27  
Maumee Valley Guppy Association.....Sept 9-10  
Indianapolis Aquarium Society.....Nov 3-4-5 ANNUAL

\*\*\*\*\*

Keep those articles coming.....we need more!

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|--|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843           | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201      | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603               | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067               | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740           | 31. Dave Scone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lke Dr.<br>Howell, MI 48843          | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713             | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204            | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
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**INTERNATIONAL  
FANCY  
GUPPY  
ASSOCIATION**



**OFFICIAL  
PUBLICATION**



# INTERNATIONAL FANCY GUPPY ASSOCIATION

PURPOSE....To provide aid for its member groups in the exhibition of guppies with emphasis on set up and judging  
....To keep current and update the present standards  
....For the pleasure of promoting recreation, understanding and interest through exhibition and discussion of the guppy

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Rates are \$15 per year per club. For more information contact:  
Membership Chairman

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# FROM THE PRESIDENT

The Annual Meeting was a real success. Members from the far corners of the U.S. attended. Some 30 IFGA members attended the Judging Seminar on Friday, and as many took the written and visual tests. There was much business accomplished Saturday afternoon. The Judging Board met at Stan's home a couple of weeks before the meeting. Stan was well prepared in presenting to the delegates all recommendations presented to the Board. Most of the recommendations were approved by the delegates-----good changes.

The other major order of business was a review of the updated constitution and by-laws (accomplished by Andy Hull). The areas in question were discussed and worded to everyone's satisfaction and the updated Constitution and By-Laws were passed.

Jim Woodruff had to leave due to a death in the family, our sympathy is with Sharon, Jim and the family.

I wish to thank the delegates for their continued confidence in electing me President for another year. Ted Lobello continues as Vice President and Tom Allen as Treasurer. Pat Allen was elected as Secretary.

Millie Craft, outgoing Secretary, did a superb job for the past three years, thanks very much Millie.

The evening buffet was very good. The annual awards were very attractive plaques, and many new names were recipients of these annual awards. There are now eleven more shows in 1978 so get those fish in show condition and start showing in April. Everyone has a chance for the Annual Awards.

The evening ended in a very refreshing hospitality room----Thanks Chicago.

See you in April- have a very colorful Christmas and New Year.

Regards,  
John

## EDITORIAL

It seems that there were many changes made at the Annual Meeting which had been very hard-sought after. Hopefully all the reforms will be for the better.

The bicolor question has been raised many times in the past with little or no response.....we at MVGA are glad to see the blue/ greens combined class get a chance to prove itself. Hopefully some of the disqualifications due to change in lighting and those "switchable" blues and green bicolors.

The new point system, while it will take some time to become accustomed to it, should put more attention on color. We made great progress in enlarging the guppy with the former system's emphasis on size. Maybe we can now do the same for the color.

## EDITORIAL.....

According to the Constitution & By-laws, a club is in good standing only if it attends the Annual Meeting and  $\frac{1}{2}$  of the additional special meetings and pays their dues on time. Since the Bulletin is expensive to print and mail and is given to member clubs free gratis ( your membership dues are actually to give your group the voting rights in a mother organization covering the hobby along with the right to host point shows,etc.), we intend to be very strict on extending the deadline for payment of dues. Get your check in to Midge Hill in time for her to update the membership list and get it out to us. Only clubs which remain in good standings will receive the Bulletin through the year. If your club doesn't get your two copies on time, PLEASE let us know.....don't let it ride for several months. We can check the records and be sure your clubs record is correct and remedy the situation much easier if the information is current.

Keep those articles and comments on our editorials coming in. They add a lot to the Bulletin. The reprints are nice because they do distribute information throughout the country, but there is nothing quite like a home- grown article to spice things up a bit.

Feed your fish.....grow 'em big(and colorfull!), for next April.

Sharon Woodruff

## MINUTES - IFGA ANNUAL MEETING

Nov. 5, 1977 Chicago, Illinois

The meeting was called to order at 1:15 PM by President, John Wolcott. The roll call followed:

### CLUB

### REPRESENTATIVE

Atlanta Guppy Club	Herb Lapp-D
Baltimore Guppy Club	Tom Swatkowski-D
Bay Area Guppy Club	Don Saurers-D
Columbus Ohio Guppy Specialists	
Delta Kings of St. Louis	
East Coast Guppy Association	Mike Lastella-D
Everglades Guppy Association	Virginia Gonzalez-D
Exotic Fish Society of Hartford	
Fox Valley Guppy Association	
Gateway Guppy Association	Jim Thale-D
Guppy Associates of Chicago International	Ted Lobello-A
Guppy Associates of Greater Cleveland	Alex Kovacs-D
Guppy Associates of Lafayette	Bill Orth-D
Guppy Associates of Milwaukee	Jim Schroeder-D
Guppy Associates of Toronto	
Heartland Guppy Club	Dick Scheidt-A
Houston Guppy Club	Harold Morgan-D
Imperial Guppy Club	Midge Hill-D
Indianapolis Aquarium Society	Carrell Johnson-D



# MINUTES.....

Indianapolis Guppy Club	Milford Morgan-D
Lancaster Guppy Specialists	Bob Becroft-D
Madison Guppy Club	
Maumee Valley Guppy Association	Bob Hanna-A
Midwest Guppy Club	Allen Eddy-D
Milwaukee Aquarium Society	J.P. Schroeder-D
Motor City Guppy Breeders	Stan Shubel-D
New England Guppy Association	Tom Allen-A
Northeastern Indiana Fancy Guppy Assoc.	Ted Archbold-A
Nottherrn Ohio Guppy Breeders Association	Al Mueller-D
Pan Pacific Guppy Association	Mike Khalid-D
Potomac Valley Aquarium Society	John Wolcott-D
Sacramento Guppy Breeders	Dave Crabtree-D
South Jersey Guppy Group	Dennis Hirth-D

It was moved and seconded that the minutes be accepted as printed in the Bulletin. Motion passed.

## TREASURER'S REPORT: Tom Allen

A. Balance as of August 13, 1977.....\$304.79

B. Income:

Corresponding Memberships.....	\$240.00
Award Cards.....	53.70
Judging Booklets.....	6.00
Entry Forms.....	3.00
Bulletin Advertisement.....	20.00
Miscellaneous.....	3.38
<b>TOTAL.....</b>	<b>326.08</b>

C. Expenditures:

Bulletin Expenses.....	\$253.75
Annual Trophy.....	200.00
<b>TOTAL.....</b>	<b>453.75</b>

D. Balance brought forward.....\$177.12

The balance due on the annual trophies was \$460.00 which Tom Allen paid, so the treasury has a \$300.00 deficit at this time.

## AUDIT COMMITTEE:

Al Mueller and Vic Piteo were appointed to audit the treasurer's books.

## COMMITTEE REPORTS:

JUDGING BOARD: Stan Shubel

Judging test results: Those who passed the written tests are: Tom Moore, Dick Schaidt, Tom Washburn, Vic Piteo, Bob Hanna, Allen Eddy, and Viola Golimowski. The visual test was passed by: Bill Orth, Larry Lapp, Rich Szydlak, Barb Hirth, Eugene Golimowski, and Viola Golimowski.

Color chart: A color chart had been submitted to the Board to deter-

# MINUTES.....

mine the ideal colors for guppies. The Board felt more research was needed before a recommendation could be made.

Pins for Judges: The Board recommends tabling the purchase of pins for Judges at this time because of the financial situation of the IFGA.

Blue/green bicolor class: Dave Crabtree moved that the blue and the green bicolor classes be combined into a blue/green bicolor class. Seconded by Bob Becroft. Motion passed.

Classification of guppies: The following classification guide for male guppies was presented.

		HALFBLACK	GOLD GRAY	CAUDAL COLOR
SWORDTAIL	ALBINO	SNAKESKIN	BRONZE	
<p>1. Caudal Shape- All male fish with sword shaped tails, double or single, will fall into the swordtail class regardless of eye color.</p> <p>2. Eye color- All fish with pink or red eyes, except swords, will fall into the albino class.</p> <p>3. Body pattern- Fish with half black or snakeskin bodies will fall into these classifications. They may be further classified by caudal color within their body patterned class.</p> <p>4. Body color- Bronze and gold bodied fish will fall into these classes. Gray fish will continue on the line for further classification.</p> <p>5. Caudal color- Gray bodied fish will be classified by the appropriate caudal color.</p>				

After discussion, Allen Eddy moved that the chart be accepted. Bill Orth seconded. Motion passed.

Three levels of judges: The Board recinded its earlier recommendation to have two types of visual tests which would result in three levels of judges because of lack of interest.

Male point system: The Board recommended changes in the point system for the male guppy. Suggested valuation chart:

	BODY	DORSAL	CAUDAL
SIZE	88	8	11
COLOR	8	8	11
SHAPE	5	5	10
CONDITION	4	4	5
DEPORTMENT	5		
SYMMETRY	8		

Mike Lastella moved the changes be accepted. Seconded by Dave Crabtree. Motion passed.

Female point system: The Board also recommended changes in the female points to the following:

# MINUTES.....

	BODY	DORSAL	CAUDAL
SIZE	11	7	11
COLOR	4	6	11
SHAPE	11	4	10
CONDITION	4	3	5
DEPARTMENT	5		
SYMMETRY	8		

Ted Lobello moved to accept the female point changes. Mike Khalid seconded. Motion Passed.

Judging Seminars: The Board had been asked if additional judging seminars and tests could be held if the host club paid all expenses for two Judging Board members. The Board agreed to give one more a year under these conditions.

Rules Book Changes: Section VII-1 To retain accreditation. The Board recommended the addition: Judges should judge at least 5 classes per show when possible for credit. Show chairman should report any discrepancy to the Judging Board. Moved to accept by Mike Lastella. Second by Bill Orth. Motion passed.  
Section X-1 Size. Add for clarification: The points awarded for size will be the total area in proper proportion. Pop Morgan moved to accept. Allen Eddy seconded. Motion passed.  
Section X-1 Body Deformity. Add the words UP TO to the definition so that it will read: Up to a maximum of 10 points may be deducted for body deformity. Mike Khalid moved to accept. Allen Eddy seconded. Motion passed.  
Section X-1 Disqualification. Add the words OR BEAD ON BENCH so that it will read: Fish entered into the wrong color or caudal shape class, dead on bench or failing to meet reasonable size requirements shall be disqualified by the unanimous decision of the Judging Team. Al Mueller moved to accept the recommendation. Allen Eddy seconded. Motion passed.

Separation of Bicolor classes: Dave Crabtree moved that the AOC bicolor class should be divided into three classes for annual awards: red bicolor, blue/green bicolor, and AOC Bicolor provided all mandatory classes are sponsored. Bob Hanna seconded. Motion passed. If sponsored, these classes will be required for 1978 and on the November agenda for permanent acceptance next year. All bicolor points for this show will go to AOC Bicolor because the rule may not take effect until it is published.

Albino female class: Don Saurers moved that the albino female class be discontinued for 1978. Allen Eddy seconded. Motion passed.

Novice class: It has been suggested that the novice class could be a sponsored class with an annual award. After discussing Ted Lobello moved that we leave the class as it is. Mike Khalid seconded. Passed.

Clarification of Judging Rules: If a fish is sick it may not be disqualified. It must be judged. Judges who bring fish to a show and enter them for another person may not judge those fish. Failure to follow this rule can result in losing judging credibility.

# MINUTES.....

## MEMBERSHIP COMMITTEE-Midge Hill

We have 33 member clubs. 31 are carryovers from last year and we have gained 2 new clubs this year. There have been many inquiries about IFCA which Midge has answered. Application renewal forms were handed out to all delegates present. The remainder will be mailed. Membership dues are payable now and will be accepted after the meeting.

## PUBLICITY COMMITTEE- Ted Lobello

Show Chairman should get their information to Ted 90 days before the show and he will get it published. Also be sure to contact your local media. You will usually get their cooperation.

## AWARDS COMMITTEE-Tom Allen

Tom called the list of clubs for sponsoring the annual trophies. Since all mandatory classes were sponsored the red and blue/green bicolor classes could be added to the list and both were sponsored.

## PUBLICATION COMMITTEE- Bob Hanna

The Judging & Rules Booklets are presently out of print. New copies will be run after this meeting so that all changes can be included and they will be up to date.

There have been problems of people not receiving Bulletins. The committee asked that subscribers verify their addresses and zip codes with the publishers and if they still have a problem they should check with their local post offices.

Dennis Hirth moved that all club copies should be mailed first class. Seconded by Midge Hill. After discussion it was decided to table the motion until the next meeting.

## RECESS

## SHOW ROTATION COMMITTEE:Dale Marteeny

Gateway Guppy Association and New England Guppy Association have decided not to host shows next year. These shows will be replaced by Guppy Associates of Lafayette and South Jersey Guppy Group. The show calendar, pending verification of some dates, is:

April 8-9	Midwest Guppy Club(Meeting)
April 23-24 or Apr 30-May 1	Columbus Ohio Specialists
May 20-21	Everglades Guppy Association
June 3-4	Pan Pacific Guppy Association
June 24-25	Baltimore Guppy Club (Seminar)
July 15-16	East Coast Guppy Club
July 20-30	Guppy Associates of Lafayette
Aug 12-13	Northern Ohio Guppy Breeders(Meeting)
Aug 26-27	Guppy Associates of Milwaukee
Sept 9-10	Waseca Valley Guppy Associates
Sept 23-24	South Jersey Guppy Group
Nov 3-4-5	Indianapolis Aquar. Soc.(Annual)



## MINUTES.....

Show Allotment agenda item: Motion to choose two alternate clubs during show rotation time to pick up a show in the event one of the twelve drops a show or loses eligibility. Two alternates to be first on the next years rotation if they did not need to replace a club in the current year. No action taken at this time.

Show eligibility: Motion to remove a club from the show rotation list if the club has not fulfilled all obligations from a previous show until those obligations have been met. Moved by Allen Eddy. Second by Midge Hill. Passed.

## NOMINATING COMMITTEE-ELECTIONS-Bill Orth

Nominations from the nominating committee were: President-John Wolcott; Vice president- Ted Lobello; Secretary- Pat Allen; Treasurer- Tom Allen. There were no nominations from the floor and the above were elected unanimously. New officers take office at the end of old business.

## CONSTITUTION & BY-LAWS REVISION REPORT-Andy Hull

During the August meeting suggestions of changes in wording of the proposed revised Constitution and By-laws were made. Each suggestion change was read, discussed and voted on. Harold Morgan moved that the amended version be accepted as a whole. Second by Allen Eddy. The motion was passed by roll call vote 20-1. The accepted copy will be printed and distributed to each club.

Jim Thale proposed a vote of thanks to Andy Hull for the work involved in the Constitution and By-laws update.

## BY-LAWS CHANGE:

It was proposed at the August meeting that the annual IFGA club dues should be increased to \$25.00. Al Mueller moved that we accept the increase. Second by Harold Morgan. Motion passed.

## NEW BUSINESS: None

Meeting adjourned at 6:15PM.

Respectfully Submitted,  
Mildred Craft, Outgoing Secretary

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## THE BREEDING OF ALBINO GUPPIES

by Joe Bertagni

Inquiries have long been made in the area of progressive breeding of albino guppies and much has been accomplished through the efforts of many breeders of merit, who have devoted many years to this infinite study.

Of all the strains of guppies which now exist, the albino is by far the most challenging and difficult to breed; however, they are not as difficult to breed as one may believe.

One must realize that the albino is a freak of nature because it lacks all black pigment in its eyes and has difficulty seeing

## ALBINOS.....

in bright light.

These and other problems present a challenge to any serious minded breeder who is looking for a beautiful and interesting fish to breed. If the methods used by myself and other breeders of merit are followed, there is no reason why most of the difficulties encountered in breeding albinos cannot be overcome.

Before we pursue the actual methods of hybridizing, it should be noted that it would be to the readers advantage if he were to study the laws of genetics concerning the inheritance of color in guppies. It would also be advantageous to keep a log of all breeding experiments which should include the date of birth and parentage of the fish in addition to keeping a picture log.

Keeping a strain frequently involves the mating of uncle and niece and occasionally aunts and nephews. Because these mates are closely related, their young inherit a great extent of both the good and bad characteristics which the parents have in common.

Most breeding methods involve mild in-breeding which is also known as 'family breeding'. When using this method, the breeder attempts to arrive at and maintain a favorable percentage in regard to the color and body and tail size of the fish. At the same time the breeder can select the best fish and improve the line seeking out and eliminating the unfavorable characteristics of the parents. When selecting a female to be mated, it is important that she be selected on the basis of the size of her body and tail (which should be large), the color of her eyes (deep red is favorable), and her apparent fertility.

Females are not always fertile. They may swell, reabsorb their young, drop eggs or become egg-bound and die. Unfortunately, some of the most beautiful males and females are sterile, but this is the working of nature and nothing can be done. Because fertility is not guaranteed our only course is to use at least six females when mating. This gives us some insurance against possible sterility in some of them.

It is just as important to make the proper selection of a male to be mated. Mating a gold male of either veiltail or deltatail with a large body, good color and tail size with an albino female for the first cross has one distinct advantage over using a gray male. Although in both the young will be gray, there is a marked difference in the grandchildren. In the gray and albino cross, the grandchildren are 25% albino, 50% gray/albino hybrids, and 25% gray. Unfortunately, it is impossible to distinguish the gray/albino hybrids from the grays which are undesirable for future breeding of albinos.

When gold males are crossed with albino females, the grandchildren are 25% gold, 25% albino, 50% gold/albino hybrids which are gray in appearance. Since the albino/gold hybrids are genetically identical to their parents for the inheritance of body and color, they can be distinguished from albinos and grays and can be in-bred again and give the same results as from their parents.

# ALBINOS.....

This three-in-one combination permits the breeder to develop three different types of fancy guppies by line breeding the hybrids.

Let gg stand for gold and aa for albino:

## FIRST GENERATION

gg X aa

ga ga  
ga ga

All young gold/albino hybrids  
(gray in appearance)

## SECOND GENERATION

ga X ga

gg ga  
aa ga

25% gold (gg)

25% albino (aa)

50% gold/albino  
hybrids (Gray  
in appearance)

One of the best plans for controlling hybrids involves the use of six tanks in each placing a virgin female. After placing the females in their own tanks, the breeder selects one of his best males for each tank and the male is rotated from one tank to the other. By using this method the breeder can keep the strain going for years.

The breeder uses traps in order to seek out all albino young for they are yellow in color and may be mistaken for food and be eaten by their parents. It is necessary to trap the first generation females because second generation females are needed.

Albino young are weak and stay on the bottom of the tank for a few days. In order to prevent a great deal of damage to them from water pressure, it is best to place the young in about four inches of water and slowly increase the water level as they grow stronger.

A rigid selection of males and females to be used in breeding is very important for desirable results in the reproduction of fish and for achieving a definite goal which involves arriving at a desired color and body and tail size in the offspring.

By using good breeding principles and methods, all the desired qualities of the strain can be retained and gratifying progress will be made.

reprinted from Brooklyn Aquarium  
Society Newsletter via Guppy  
Roundtable 6/77

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Jim and I would like to thank everyone for their kind expressions of sympathy at the loss of my grandfather during the Annual. We're sorry that we had to miss the meeting and the show, but everyone's thoughtfulness was appreciated.

Jim & Sharon Woodruff

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## IFGA POINT STANDINGS AS OF NOVEMBER 10, 1977

RED CLASS	PTS	BLUE CLASS	PTS	GREEN CLASS	PTS
1 J&M Walker	252	1 S. Shubel	616	1 J&J Magnifico	364
2 J. Magnifico	196	2 L. Allen	112	2 M. Lastella	140
3 M. Behmer	126	3 J&J Magnifico	28	3 R. Szydluk	112
4 J. Rietchek	112	4 R. Szydluk	28	4 L. Wasserman	84
BLACK CLASS		MULTI CLASS		PURPLE CLASS	
1 L. Wasserman	364	1 R. Szydluk	392	1 T&P Allen	266
2 S&A Hull	126	2 L. Morrison	182	2 D. Croteau	224
3 B&J Orth	84	3 R&L Williams	70	2 R. Iorio	
4 H. Johnson	70	4 T. Barchalk	56	4 J. Heller	70
4 D&M Levy					
BICOLOR CLASS		SNAKESKIN CLASS		GOLD CLASS	
1 T&P Allen	420	1 J. Zelk	546	1 L. Wasserman	546
2 A.R. Mueller	252	2 L. Wasserman	378	2 L. North	42
3 M. Behmer	210	3 R. Iorio	266	3 -----	
4 E. Golimowski	196	4 B. Hanna	112	4 -----	
4 R. Szydluk					
YELLOW CLASS		BRONZE CLASS		ALBINO CLASS	
1 J&M Walker	546	1 J&M Walker	406	1 J&M Walker	588
2 R. Szydluk	84	2 E. Golimowski	126	2 -----	
3 J. Heller	70	3 L. Wasserman	56	3 -----	
4 A. Kovacs	56	4 -----		4 -----	
AOC CLASS		SWORDTAIL CLASS		H/B RED CLASS	
1 D. Han	252	1 D. Saurers	602	1 L. Wasserman	476
1 R. Szydluk		2 J.P. Schroeder	420	2 T. Archbold	196
3 B&J Orth	196	3 A. Kovacs	56	3 M&H Jinkerson	112
4 J&J Magnifico	56	3 D. Williams	56	4 -----	
H/B BLUE CLASS		H/B PASTEL CLASS		H/B AOC CLASS	
1 L. Wasserman	420	1 J&M Walker	420	1 J. Rezutka	168
2 B. Hazzard	98	2 B. Pauly	336	2 B&P Larsen	140
3 M. Lastella	84	3 D. Saurers	28	3 M. Lastella	126
3 R. Wagner		4 -----		4 L. North	56
BREEDER MALE		BREEDER FEMALES		H/B FEMALE	
1 T&P Allen	490	1 E. Golimowski	294	1 M&H Jinkerson	224
2 M. Lastella	350	2 A&V Gonzalez		2 T. Archbold	98
3 L. Wasserman	140	3 -----		3 R&L Williams	70
4 -----		4 -----		4 -----	
RED FEMALE		BL/GREEN FEMALE		BLACK FEMALE	
1 E. Golimowski	98	1 J&S Woodruff	154	1 D&M Crabtree	112
2 M&H Jinkerson	56	2 D&M Crabtree	42	2 A&V Gonzalez	84
3 J&S Woodruff	42	3 -----		3 -----	
4 -----		4 -----		4 -----	



## STANDINGS.....

GOLDFEMALE	PTS	AOC FEMALE	PTS
1 T. Lobello	126	1 M&M Golimowski	168
2 J. Rietcheck	70	2 T. Barchalk	28
3 -----		3 -----	
4 -----		4 -----	
GRAND OVERALL FEMALE	PTS	GRAND OVERALL MALE	PTS
1 M&H Jinkerson	245	1 Lou Wasserman	1225
2 A&V Gonzalez	210	2 J&M Walker	1120
2 J&S Woodruff		3 Mike Lastella	910
4 R&L Williams	175	4 Stan Shubel	735
5 D&M Crabtree	140	5 T&P Allen	490
6 Eugene Golimowski	70	6 J.P. Schroeder	280
6 M&M Golimowski		7 Denis Croteau	210
6 Jerry Rietcheck		7 J. Sisson	
6 Norman Torgeson		7 Rich Szydluk	
		7 John Zelk	

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## FOR WHAT IT'S WORTH

by Tom Allen

All too often in the course of our show seasons, those of us who follow the standings as published in our fine Bulletin see the same few names listed in each color class month after month. I wonder if we realize that in most classes, many exhibitors enter fish and never quite make the "top 4". To list each and every entrant would be an immense task even if the information were readily available. As a compromise, however, I have listed each class and the number of exhibitors capturing at least one 4th place. In the case of the Grand Overall classes, each and every person counted has received at least one 1st place award since our Annual in November 1976.

CLASS	EXHIBITORS SCORING	CLASS	EXHIBITORS SCORING
Red	18	H/B BLUE	16
BLUE	16	H/B PASTEL	15
GREEN	15	H/B AOC	19
BLACK	16	BREEDER MALE	6
MULTI	21	BREEDER FEMALES	10
YELLOW	15	RED FEMALE	7
AOC	14	BL/GREEN FEMALE	8
PURPLE	16	BLACK FEMALE	10
BICOLOR	56	AOC FEMALE	14
SNAKESKIN	30	H/B FEMALE	19
GOLD	13	GOLD FEMALE	13
BRONZE	7	ALBINO FEMALE	4
ALBINO	6	GRAND MALE	86
SWORDTAIL	10	GRAND FEMALE	31
H/B RED			

Many thanks to the show chairmen for their promptness in sending in their show results. For sure, it's made my job of keeping

## BAGA RESULTS.....

	TANK	DELTA	VEIL
H/B BLUE	1 M. Lastella (3) 2 L. North 3 R. Wagner 4 -----	M. Lastella (4) R. Wagner L. North Disq	B. Hazzard (7) T&S Swatkowski C&C Quinn T&S Swatkowski
H/B PASTEL	1 D. Boone (9) 2 J&M Walker 3 J&M Walker 4 B&P Shaff	G. Pauly (16) J. Cashel G. Parrish B&P Shaff	J&M Walker (16) J&M Walker F. Jamiol B&P Shaff
H/B AOC	1 G. Pauly (2) 2 M. Lastella 3 ----- 4 -----	L. North (6) M. Lastella G. Pauly M&H Jinkerson	M. Lastella (4) J. Heller J. Heller R. Puckett
GOLD	1 L. Wasserman (3) 2 B&H Lapp 3 B&H Lapp 4 -----	L. Wasserman (4) B&H Lapp B&H Lapp L. North	B&H Lapp (?) B&H Lapp B&H Lapp B&H Lapp
ALBINO	1 J&M Walker (1) 2 ----- 3 ----- 4 -----	M. Lastella (3) J&M Walker J&M Walker -----	J&M Walker (2) M. Lastella ----- -----
YELLOW	1 J&M Walker (3) 2 G. Parrish 3 B. McGovern 4 -----	G. Parrish (3) B. McGovern Disq -----	J&M Walker (7) B. McGovern J. Heller J. Heller
SOLID SNAKE	1 B&J Orth (2) 2 F. Orteca 3 ----- 4 -----	F. Orteca (4) J. Heller J. Thale T. Lobello	B. Hanna (5) B. Hanna J. Zelk J. Zelk
VAR. SNAKE	1 L. Wasserman (6) 2 J. Zelk 3 B. Zelk 4 G. Parrish	L. Wasserman (6) J. Zelk T. Anderson T. Anderson	J. Zelk (4) J. Zelk R. Wagner J. Zelk
BRONZE	1 J&M Walker (4) 2 J. Rezutka 3 J. Rezutka 4 J. Rezutka	J&M Walker (3) J. Rezutka J. Rezutka -----	J&M Walker (1) ----- ----- -----
	TANK	COMBINED	
AOC BICOLOR	1 J. O'Brien (1) 2 ----- 3 ----- 4 -----	E. Golimowski (6) E. Golimowski J. O'Brien E. Golimowski	

## BAGA RESULTS.....

TANK		COMBINED
SWORD	1 R. Puckett (3)	A. Kovacs (8)
	2 A. Kovacs	B. Hanna
	3 B. Hanna	J. Thale
	4 -----	R. Puckett
BLUE BICOLOR	1 -----	G. Parrish (4)
	2 -----	E. Golimowski
	3 -----	L. Crilly
	4 -----	J. Newton
RED BICOLOR	1 -----	L. Wasserman (7)
	2 -----	E. Golimowski
	3 -----	G. Chin
	4 -----	G. Chin
NOVICE	1 J. Heller (1)	Jim Heller (2)
	2 -----	Jim Heller
	3 -----	-----
	4 -----	-----

## FEMALES

RED	1 E. Golimowski (10)	BL/GREEN 1 T. Anderson (4)
	2 D. Polunas	2 E. Golimowski
	3 E. Golimowski	3 E. Golimowski
	4 E. Golimowski	4 A&V Gonzalez
BLACK	1 A&V Gonzalez (7)	AOC 1 M&M Golimowski (11)
	2 A&V Gonzalez	2 M&M Golimowski
	3 A&V Gonzalez	3 C. Price
	4 M&M Golimowski	4 M&M Golimowski
H/B AOC	1 E. Golimowski (15)	GOLD 1 J. Rietschek (4)
	2 M&H Jinkerson	2 T. Lobello
	3 M&H Jinkerson	3 T. Lobello
	4 M&H Jinkerson	4 Disq
ALBINO	1 J&M Walker (1)	NOVICE 1. Jim Heller (4)
	2 -----	2 Jim Heller
	3 -----	3 Jim Heller
	4 -----	4 Jim Heller

\*\*\*\*\*

EVER NOTICE????????.....

.....how your inexpensive fish seem to be immortal and your expensive ones seem to catch every disease in the book plus a few that aren't and die within a week?

\*\*\*\*\*

## 1977 ANNUAL TROPHY SPONSORSHIP

## CLASS

## SPONSOR

Red	Houston Guppy Club
Blue	East Coast Guppy Association
Green	T7 P Allen
Black	Everglades Guppyb Association
Multi	Maumee Valley Guppy Association
AOC	Guppy Associates of Lafayette
Yellow	John Wolcott
Purple	Northeastern Indiana Fancy Guppy Association
AOC Bicolor	South Jersey Guppy Group
* Red Bicolor	Maumee Valley Guppy Association
* Blue/Green Bi	D&M Crabtree
Gold	Guppy Associates of International Chicago
Albino	Indianapolis Aquarium Society
Bronze	Columbus Ohio Guppy Specialists
Snakeskin	Golden State Aquatics
Swordtail	Bob Secroft
H/B Red	Indianapolis Guppy Breeders
H/B Blue	Pan Pacific Guppy Association
H/B Pastel	Gateway Guppy Association
H/B AOC	North Ohio Guppy Breeders Association
Red Female	Baltimore Guppy Club
Blue/Green Female	East Coast Guppy Association
Black Female	Sacramento Guppy Breeders Association
AOC Female	John Wolcott
H/B Female	Harold Morgan
Gold Female	Guppy Associates of International Chicago
Breeder Female	Guppy Associates of Greater Cleveland
Breeder Male	Midwest Guppy Club

\* Points accumulated in these classes at the Chicago show Annual, 1977) will be counted in the AOC Bicolor class. Show chairpersons are requested to include all bicolor classes in their future shows.

\*\*\*\*\*

## BAY AREA GUPPY ASSOCIATION

October 8-9, 1977

## SHOW RESULTS

356 Entries

JUDGES: Dale Marteeny, Dave Boone, Midge Hill

ASS'T JUDGES: Glen Parrish, Jim Heller, Loretta North, Jerise Newton, George Chin, Diane Boone

OBSERVERS: Brad Saville

## BEST OF SHOW

MALW: (Purple Delta)	(Blue Delta)	(Blue Bi)	(H/B Blue Delta)
1 G. Parrish	2 G. Parrish	3 G. Parrish	4 M. Lastella
FEMALE: (H/B AOC)	(Black)	(AOC)	(Red)
1 E. Golimowski	2 A&V Gonzalez	3 M&M Golimowski	4 E. Golimowski



## BAGA RESULTS.....

## BEST OF SHOW

TANK: (Purple) (Blue) (Green) (Albino)  
 1 M.Lastella 2 G.Parrish 3 M.Lastella 4 J&M Walker  
 BREEDER MALE: (7)  
 1 M.Lastella 2 G.Parrish 3 F. Orteca 4 F.Orteca  
 BREEDER FEMALE: (2)  
 1 E.Golimowski 2 T. Anderson

	TANK	DELTA	VEIL
RED	1 J&M Walker (1) 2 ----- 3 ----- 4 -----	A. Ahrenholz (10) J. Rietchek A. Ahrenholz J. Rietchek	----- ----- ----- -----
BLUE	1 G. Parrish (3) 2 L. Allen 3 L. Allen 4 -----	G. Parrish (5) L. Allen L. Allen L. Allen	L. Allen (7) B&J Orth B&J Orth Disq
GREEN	1 M.Lastella (1) 2 ----- 3 ----- 4 -----	B&J Orth (3) M. Lastella G. Parrish -----	J&M Walker (8) B. Hazzard B. Hanna B. Hazzard
PURPLE	1 M. Lastella (4) 2 G. Parrish 3 G. Parrish 4 T&P Allen	G. Parrish (9) M. Lastella G. Parrish T&P Allen	G. Parrish (7) T&P Allen J. Heller J. Hellaer
BLACK	1 L. Wasserman(2) 2 R. Wagner 3 ----- 4 -----	L. Wasserman (9) A&V Gonzalez H. Jinkerson G. Ponzini	L. Wasserman (5) Disq Disq Disq
AOC	1 B&J Orth (1) 2 ----- 3 ----- 4 -----	J. Rietchek (2) J. Newton ----- -----	J. Rietchek (3) B&J Orth Disq Disq
MULTI	1 ----- 2 ----- 3 ----- 4 -----	D. Polunas (5) R. Puckett J. Thale R. Puckett	C. Quinn (2) J. Thale ----- -----
H/B RED	1 L. Wasserman (7) 2 M&H Jinkerson 3 T. Archbold 4 T. Archbold	L. Wasserman (16) M&H Jinkerson M&H Jinkerson A.Kovacs	M&H Jinkerson(13) M&H Jinkerson T. Archbold T.Archbold

## IT' WOR .....

track of all the points far, far easier.

A special "pat on the back" goes to all the exhibitors for putting forth that little extra effort in continuing to support the IFGA and its member clubs over the past show season.

\*\*\*\*\*

## HOW TO OUTCROSS YOUR GUPPIES..Part IV by Midge Hill

Now, to the third situation in which an outcross can be desirable....to produce big show hybrids.

If you are very lucky and are willing to devote tank space to an endeavor with very long odds, you can keep trying outcrosses of two unrelated established strains hoping to find a cross that will produce outstanding results in the first generation. If you do stumble onto one of these compatible combinations that throw big, beautiful show specimens in the F-1, guard the two parents strains carefully.

One unique thing about this type of outcross is that there is no breeding program after the outcross. In fact, you do not breed from the hybrids at all, but rather keep and inbreed both parent strains separately and outcross the two strains continually to each other to get your show specimens. Another advantage is that since you will not be breeding from these hybrids, you can discard the females as soon as they are sexable....no need in wasting food, time, and space on them. The hybrid males are raised for show but are never bred either. Many breeders have used this method to produce their top show fish.

Another unique thing about this type of outcross is that often the strains that turn out these fantastic hybrids appear to the eye to be very inferior fish, but they are usually also very inbred. For example, one highly successful outcross that works well for me involves using one strain of small veil tail guppies that carry brilliant color to cross to a strain of big bodied, big tailed, blah colored fish. The F-1 hybrids of this unlikely combination are large, beautiful, bright colored fish which have won their share of international trophies. But, breed these F-1 hybrids together and all you get is JUNK.

\*\*\*\*\*

Next month.... Outcrossing by Necessity

\*\*\*\*\*

Merry Christmas!  
 Happy Hanukkah!  
 Happy New Year!

GUPPY ASSOCIATES INTERNATIONAL CHICAGO

November 4-6, 1977 7 Point Show 843 Entries

JUDGES: Pop Morgan, Mike Regent, Don Craft, Stan Shubel, Ethel Shubel, John Wolcott, Dave Crabtree, Don Saurers, Alice Regent, Dennis Hirth, Andy Hull, Sue Hull, Joe Rezutka, Earl Hanson, Mike Khalid, Bill Orth, Larry Lapp, Harold Morgan, Barb Hirth

ASS'T JUDGES: Darrell Johnson, Clint Price, Steve Somermeyer, Frank Jamol, Herb Lapp, J.P. Schroeder, Bob Hanna, Don Scheidt, Mike Lastella, Bill Brandeberry, Vic Pitas, Alex Kovacs, Rich Szydluk, Ralph Case, Allen Eddy, Tom Moore, Al Mueller, Bob Hanna

OBSERVERS: John Sobczak, Jery Pabzak, Tom Washburn, Steve Swatkowski, Jim Sisson, Mark Ford, Bob Thornton

BEST OF SHOW

MALE: (Blue D.) (Purple D.) (B/G Bi) (Albino)  
1 Stan Shubel 2 Denis Croteau 3 Lou Wasserman 4 J&M Walker  
FEMALE: (h/8 Red) (B/G) (H/B AOC) (Black)  
1 M&H Jinkerson 2 J&S Woodruff 3 R&L Williams 4 D&M Crabtree  
TANK: (Green) (H/B Blue) (Blue) (Purple)  
1 M. Lastella 2 L. Wasserman 3 Stan Shubel 4 T&P Allen  
BREEDER MALE: (8)  
1 Mike Lastella 2 T&P Allen 3 T&P Allen 4 Lou Wasserman  
BREEDER FEMALE: (9)  
1 A&V Gonzalez 2 E. Golimowski 3 E. Golimowski 4 A&V Gonzalez

RED TANK (8)	RED DELTA (24)	RED VEIL (17)
J & M Walker John Magnifico J & M Walker Louis Wasserman	Jerry Rietchek John Magnifico Jerry Rietchek John Magnifico	Mike Behmer Mike Behmer Don Epple J & M Walker
BLUE: (9)	(16)	(8)
Stan Shubel Stan Shubel Stan Shubel Stan Shubel	Stan Shubel Larry Allen Stan Shubel J&M Walker	Stan Shuebl Larry Allen Stan Shubel Rich Szydluk
GREEN: (13)	(18)	(9)
Mike Lastella J & J Magnifico J & J Magnifico Louis Wasserman	J & J Magnifico J & J Magnifico J & J Magnifico Bill Hazzard	Rich Szydluk J & M Walker Rich Szydluk Louis Wasserman
BLACK: (6)	(17)	(10)
Louis Wasserman Louis Wasserman B & J Orth Louis Wasserman	D & M Levy Louis Wasserman S & A Hull A & V Gonzalez	Harold Jinkerson S & A Hull Richard Wagner S & A Hull

GAIC RESULTS.....

MULTI TANK: (7)	Multi DELTA (18)	VEIL (17)
Leon Morrison Rich Szydluk Rich Szydluk Rich Szydluk	Rich Szydluk M & A Regent Rich Szydluk R & N Carden	R & L Williams Terry Barchalk Leon Morrison Rich Szydluk
YELLOW: (5)	(8)	(11)
J & M Walker J & M Walker Rich Szydluk Alex Kovacs	J & M Walker J & M Walker Jim Heller Ray Kercher	J & M Walker J & M Walker J & M Walker Jim Heller
PURPLE: (17)	(25)	(5)
T & P Allen Ron Iorio Ron Iorio Denis Croteau	Denis Croteau Denis Croteau Denis Croteau Rob Iorio	T & P Allen T & P Allen Jim Heller Jim Heller
AOC: (12)	(12)	(12)
B & J Orth Dick Han Rich Szydluk B&J Orth	Rich Szydluk J & J Magnifico Dick Han R & L Williams	Dick Han Rich Szydluk Rich Szydluk Dick Han
RED BICOLOR: (9)	(23)	(10)
Al Mueller Al Mueller Rich Szydluk M & M Golimowski	George Chin Mike Behmer Mike Behmer Eugene Golimowski	Walter Kontor D&M Crabtree Mike Behmer B & S Gommel
B/G BICOLOR: (13)	(24)	(29)
M & A Regent Rich Szydluk J & S Woodruff W & M Brandeberry	Stan Shubel Eugene Golimowski A & V Gonzalez Joe Rezutka	Bill Hazzard Bill Hazzard Terry Barchalk W & M Brandeberry
AOC BICOLOR: (10)	(14)	(7)
T & P Allen T & P Allen T & P Allen B & J Felinski	Eugene Golimowski Ron Iorio Eugene Golimowski Joe Rezutka	Mike Behmer T & P Allen Larry & Herb Lapp T & P Allen
SNAKESKIN SOLID: (10)	(15)	(4)
Ron Iorio Louis Wasserman Louis Wasserman B & J Orth	Louis Wasserman Ron Iorio Ron Iorio Ron Iorio	Bob Hanna John Zelk Bob Hanna -----
SNAKESKIN VAR.: (7)	(21)	(8)
John Zelk John Zelk John Zelk John Zelk	Louis Wasserman J & J Magnifico J & J Magnifico John Zelk	John Zelk Ken Morrissey Louis Wasserman Richard Wagner



## GAIC RESULTS.....

H/B BLUE TANK (6)	DELTA (9)	VEIL (11)
Louis Wasserman Louis Wasserman Richard Wagner Steve Sommermeyer	Louis Wasserman Louie Wasserman Louis Wasserman Mike Lastella	Bill Hazzard Mike Lastella T & S Swatkowski Bill Hazzard
H/B PASTEL (8)	(22)	(16)
J & M Walker J & M Walker Glenn Pauly Glenn Pauly	Glenn Pauly Glenn Pauly Glenn Pauly Glenn Pauly	J & M Walker J & M Walker J & M Walker Don Saurers
H/B AOC (5)	(14)	(13)
Bob & Pat Larsen Disq Disq Disq	Mike Lastella Loretta North Louis Wasserman Joe Rezutka	Joe Rezutka Mike Lastella Joe Rezutka Joe Rezutka
NOVICE (5)	(9)	(4)
J. Sisson John Price Bill Rabovsky Jon Curtis	J. Sisson Bill Rabovsky Carl Harklerod Ray Kercher	Norman Torgeson Dave Sisson Jon Curtis Disq
GOLD TANK (4)	GOLD COMBINED (7)	
Louis Wasserman Louis Wasserman Louis Wasserman Louis Wasserman	Louis Wasserman Louis Wasserman Loretta North Louis Wasserman	
BRONZE (4)	(7)	
J & M Walker J & M Walker J & M Walker E Golimowski	J & M Walker Louis Wasserman E. Golimowski E Golimowski	
ALBINO (4)	(4)	
J & M Walker J & M Walker J & M Walker J & M Walker	J & M Walker J & M Walker J & M Walker J & M Walker	
SINGLE SWORD (12)	(9)	
J.P. Schroeder J.P. Schroeder Don Saurers Alex Kovacs	J.P. Schroeder Don Saurers Don Saurers J.P. Schroeder	
DOUBLE SWORD (6)	(18)	
Don Saurers Don Saurers Don Saurers Douglas Williams	J.P. Schroeder Don Saurers Bob Becroft Don Saurers	

## GAIC RESULTS.....

FEMALES		
RED (10)	BLUE/ GREEN (14)	BLACK (14)
E. Golimowski M & H Jinkerson J & S Woodruff E. Golimowski	J & S Woodruff J & S Woodruff D & M Crabtree J & S Woodruff	D & M Crabtree A & V Gonzalez D & M Crabtree A & V Gonzalez
ADC (21)	(9) H/B RED	(11) H/B AOC
M & M Golimowski M & M Golimowski M & M Golimowski Terry Barchalk	M & H Jinkerson Ted Archbold Ted Archbold M & H Jinkerson	R & L Williams M & H Jinkerson M & H Jinkerson M & H Jinkerson
NOVICE (8)	GOLD (7)	ALBINO (0)
Norman Torgeson Bob Becroft Bill Rabovsky Bill Rabovsky	Jerry Ristcheck Ted Lobello Ted Lobello Ted Lobello	

## TRY THIS FOR TAIL ROT

by Midge Hill

Until discovering this method of treating tail rot, I had previously run into one problem or another with any other method of treatment I tried.....either the medication did little or nothing to cure the tail rot, or it worked fine on the tail rot but damaged the health of the guppy itself.

Having thus gone through a wide variety of formulas to cure this bane of the guppy breeder, I gradually reached the conclusion that anything that was strong enough to quickly stop the tail rot before the show value of the fish was lost was too strong for the guppy to safely live in.

The answer had to lie in getting a super strong dose on the tail area without giving the guppy the same dosage. Since this theory obviously does away with adding the medication to the tank water, the next logical step was to net the guppy out of the water for treatment.

To make a long story short, several methods and several types of medication were tried. The easiest and most effective method turned out to be as follows:

1. Net the fish and hold it in the net until the first wild thrashing around stops.
2. Hold the fish firmly but gently within the net so his head is uphill from his tail....this is vital as the strong medication MUST NOT run down into the gill area. Should this happen, immediately return the fish to his tank and cross your fingers.
3. Paint the exposed side of the guppy tail, beginning at the peduncle and concentrating on the final finnage

# TAIL ROT.....

- fringe where the tail rot is usually most active.
4. Paint the other side of the tail right through the net from the outside.
5. Wait about 20 seconds after the painting then return the fish to his home tank (provided, of course, that it is clean and well cared for).

All signs of tail rot should be gone by the next day and within a week new growth is visible. Occasionally a fish needs more than one treatment (maybe a spot was missed during the first painting). Because the functional part of a guppy does not come into contact with the medication it has proved perfectly safe to repeat the treatment as often and as frequently as needed to clear up even the most persistent tail rot.

The medication that has proven most effective on my guppies is Tetracure FungiStop (active ingredients: Colloidal silver, sodium chloratum, Magn. sulphuric) used full strength from the bottle for painting directly on the tail. It seems to stop the tail rot "right away" and regrowth begins quickly.....no need to trim away diseased area. If the tail rot has not been allowed to progress very far, the fish is back in show finnage in no time at all. And since it is not necessary to add medication to the tank water, the fish is not weakened but remains hardy and vigorous. It has certainly proven to be the quickest, safest method I have yet come across.

reprinted from IFGA Bulletin  
3/73

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## ATTENTION!!!

## ATTENTION!!!

## ATTENTION!!!

On the next few pages you will find an index for the past year's Bulletins. Hopefully it will make it much easier to refer back if you find it necessary. If you are interested in any of the articles listed and you didn't receive that issue, back copies are available at 75¢ each plus postage. If that issue should have been included in your subscription and you just never got it, let us know and we'll send it at no cost.

Also anyone renewing an old subscription or ordering a new one since the rate increase in September..... if you paid at the former rate of \$5 or \$8, your subscription will have to be reduced by two issues. If you are uncertain, check your returned check stub. If the renewal was after the first of September and you paid \$5 or \$7, your subscription will be for 9 issues rather than the usual 11. I hope this is clear to everyone....if you have any questions about any of it just drop us a line and we'll try to get it straight.

## ATTENTION!!!

## ATTENTION!!!

## ATTENTION!!!

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END!

## ACCREDITED IFGA JUDGES

- |   |   |
|---|---|
| 1. Stan Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843            | 23. Dave Crabtree<br>680 Scriven<br>Columbus, OH 43228      |
| 3. Pop Morgan<br>4824 E. New York St.<br>Indianapolis, IN 46201       | 28. Joe Krader<br>2540 Bluebell<br>Seal Beach, CA 90440     |
| 6. Midge Hill<br>9903 Candia Dr.<br>Whittier, CA 90603                | 29. John Wolcott<br>2112 Merritt<br>Northfield, NJ 08225    |
| 8. Mike Regent<br>17 Autumn Court<br>Colonia, NJ 07067                | 30. Joe Rezutka<br>5717 S. Newcastle<br>Chicago, IL 60638   |
| 10. Dale Marteeny<br>717 Juanita Ave<br>Glendora, CA 91740            | 31. Dave Boone<br>1044 Renoir Ct<br>Sunnyvale, CA 94087     |
| 11. Ethel Shubel<br>8715 Hidden Lake Dr.<br>Howell, MI 48843          | 32. Sue Hull<br>911-L Manor Lane<br>Columbus, OH 43221      |
| 12. John Parrott<br>4488 Paula St.<br>Lakewood, CA 90713              | 33. Andy Hull<br>911-L Manor Lane<br>Columbus, OH 43221     |
| 16. Don Craft<br>103 Lake View Dr. SW Route 2<br>Pataaskala, OH 43062 | 35. Earl Hansen<br>14540 Birch St.<br>Orland Park, IL 60462 |
| 20. Don Saurers<br>2610 Elliott Ave<br>Columbus, OH 43204             | 36. Alice Regent<br>17 Autumn Ct.<br>Colonia, NJ 07067      |
| 22. Mike Khalid<br>17810 Hatton St.<br>Reseda, CA 91335               |   |

